




-
1. General Description
 2. Relay and Fuse
 3. Front Seat
 4. Rear Seat
 5. Seat Heater System
 6. Seat Heater

SEATS > General Description

CAUTION

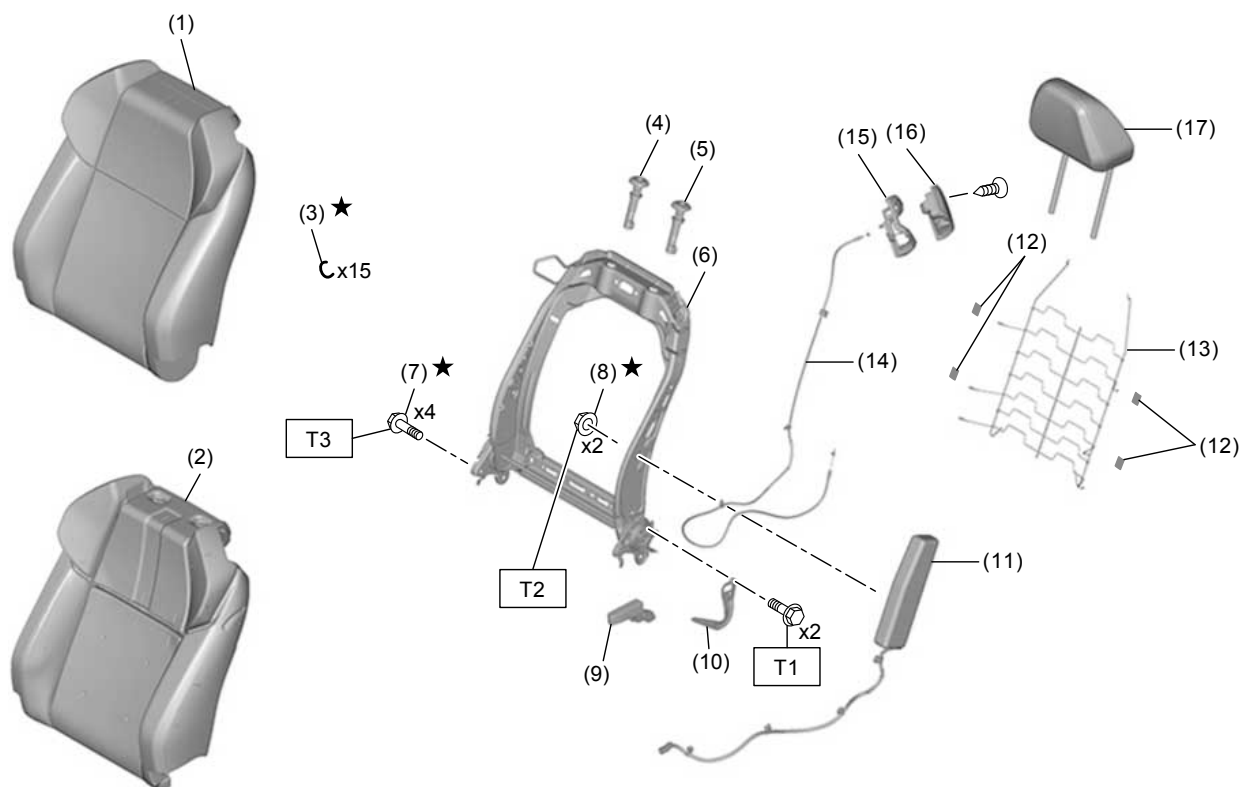
- When performing service operation, refer to "Repair Contents" in "General Description".  [Ref. to REPAIR CONTENTS>Repair Contents.](#)
- Refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM" section.  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)
- When performing work on the sensors or modules, be careful of the following.
 - Before disconnecting electrical connectors, be sure to disconnect the ground terminal from the battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
 - Do not apply any impact. If the parts are accidentally dropped, replace with a new part.
 - Do not expose to high-temperature and humidity.
- When replacing the parts provided with memory functions, record the memory contents before disconnecting the ground terminal from the battery sensor.
- Be careful not to damage the vehicle when taking out the seat from the vehicle.
- Before assembling, make sure how the harnesses such as side airbag harness and front seat belt INN harness are routed in order to avoid misarranging. Assembling with harnesses improperly routed may cause the harness to get caught and short out.
- If the seating sensor mat is removed, replace the pad assembly and the seating sensor mat with new parts. If the seating sensor mat is reused, the detection may not operate properly.
- When disassembling the passenger's seat, be careful of the following.
 - Do not remove the load sensor from the passenger's seat cushion frame assembly. It is fixed to the cushion frame assembly.
 - When the cushion frame assembly of the passenger's seat is replaced, do not touch the load sensor. Failure to do so may electrically impair it.

SEATS > General Description

COMPONENT

1. FRONT SEAT

- **DRIVER'S SEAT**



SE-11579


- | | |
|---------------------------------------|-------------------------|
| (1) Cover backrest front seat | (9) Cover reclining |
| (2) Seat pad ASSY backrest front seat | (10) Lever reclining |
| (3) Hog ring | (11) Side airbag module |
| (4) Bushing headrest free | (12) Rubber bushing |
| (5) Bushing headrest lock | (13) Flat mat ASSY |
| (6) Frame ASSY backrest front seat | (14) Cable walk-in. |
| (7) Bolt | (15) Cover walk-in |
| (8) Self-locking nut | (16) Lever walk-in |

- (17) Headrest ASSY

Tightening torque: N·m (kgf-m, ft-lb)

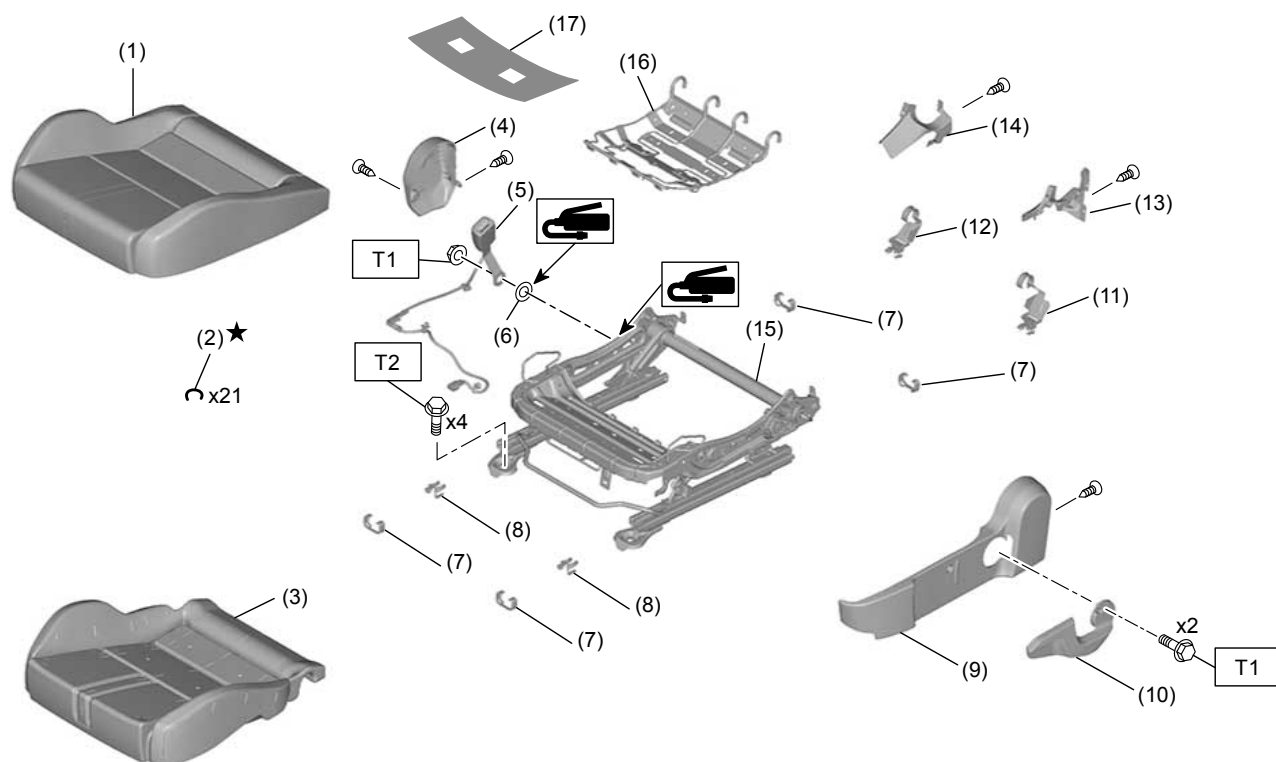
T1: 5.5 (0.6, 4.1)

T2: 6 (0.6, 4.4)

T3:  Ref. to SEATS>Front Seat>ASSEMBLY > SEAT COMMON OPERATION PROCEDURE.

Note:

Seat heater unit is integrated into the seat pad assembly backrest front seat.



SE-12143

- | | | |
|--------------------------------------|------------------------------------|------------------------|
| (1) Cover cushion front seat | (9) Cover hinge outside | (17) Mat cushion guard |
| (2) Hog ring | (10) Lever lifter | |
| (3) Seat pad ASSY cushion front seat | (11) Cover lifter link OUT | |
| (4) Cover hinge inside | (12) Cover lifter link INN | |
| (5) Belt ASSY front INN* | (13) Cover INN cushion outside | |
| (6) Spring wave washer | (14) Cover INN cushion inside | |
| (7) Cap end LWR | (15) Frame ASSY cushion front seat | |
| (8) Cap end | (16) Panel front wire | |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 5.5 (0.6, 4.1)

T2: 38 (3.9, 28.0)

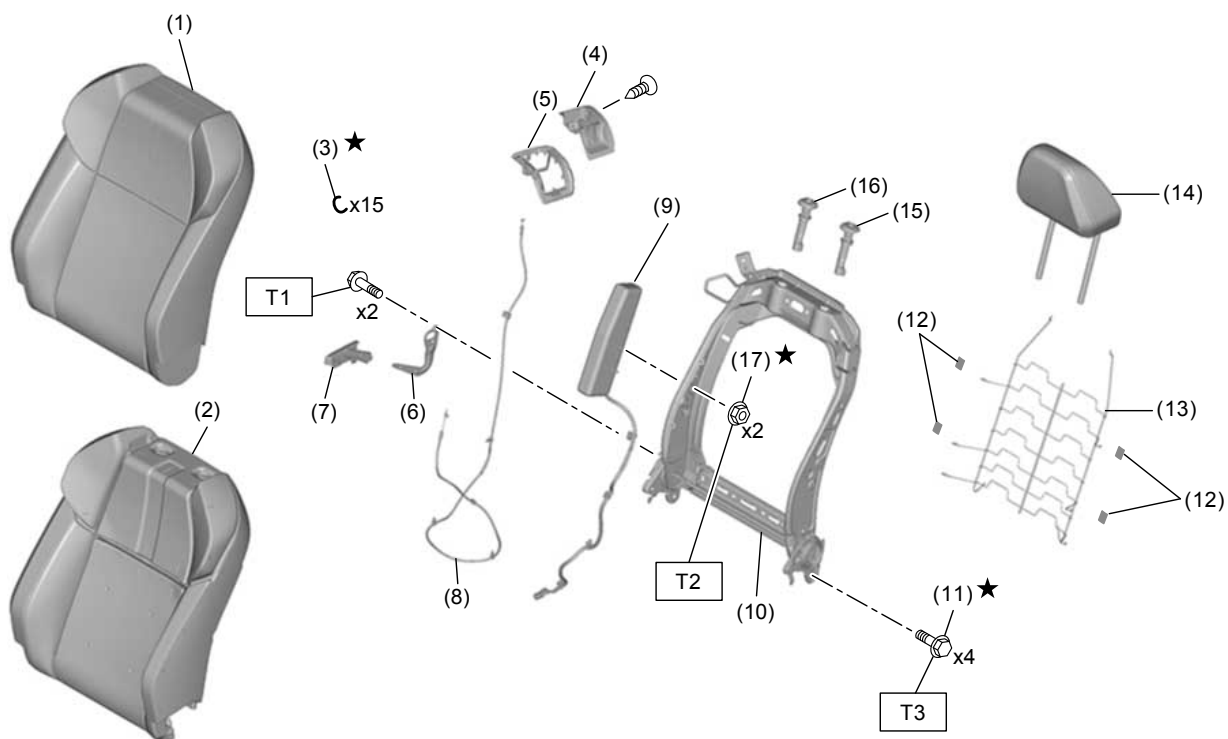
T3:  Ref. to SEATS>Front Seat>INSTALLATION.

*: Apply grease when replacing the belt assembly front INN.  Ref. to SEAT BELT SYSTEM>Front Seat Belt>INSTALLATION > BELT ASSEMBLY FRONT INN.

Note:

Seat heater unit is integrated into the seat pad assembly cushion front seat.

● **PASSENGER'S SEAT**




SE-11581

- | | | |
|---------------------------------------|-------------------------------------|-----------------------|
| (1) Cover front seat backrest | (9) Side airbag module | (17) Self-locking nut |
| (2) Seat pad ASSY backrest front seat | (10) Frame ASSY backrest front seat | |
| (3) Hog ring | (11) Bolt | |
| (4) Lever walk-in | (12) Rubber bushing | |
| (5) Cover walk-in | (13) Flat mat ASSY | |
| (6) Lever reclining | (14) Headrest ASSY | |
| (7) Cable walk-in. | (15) Bushing headrest lock | |
| (8) Cover reclining | (16) Bushing headrest free | |

Tightening torque: N·m (kgf-m, ft-lb)

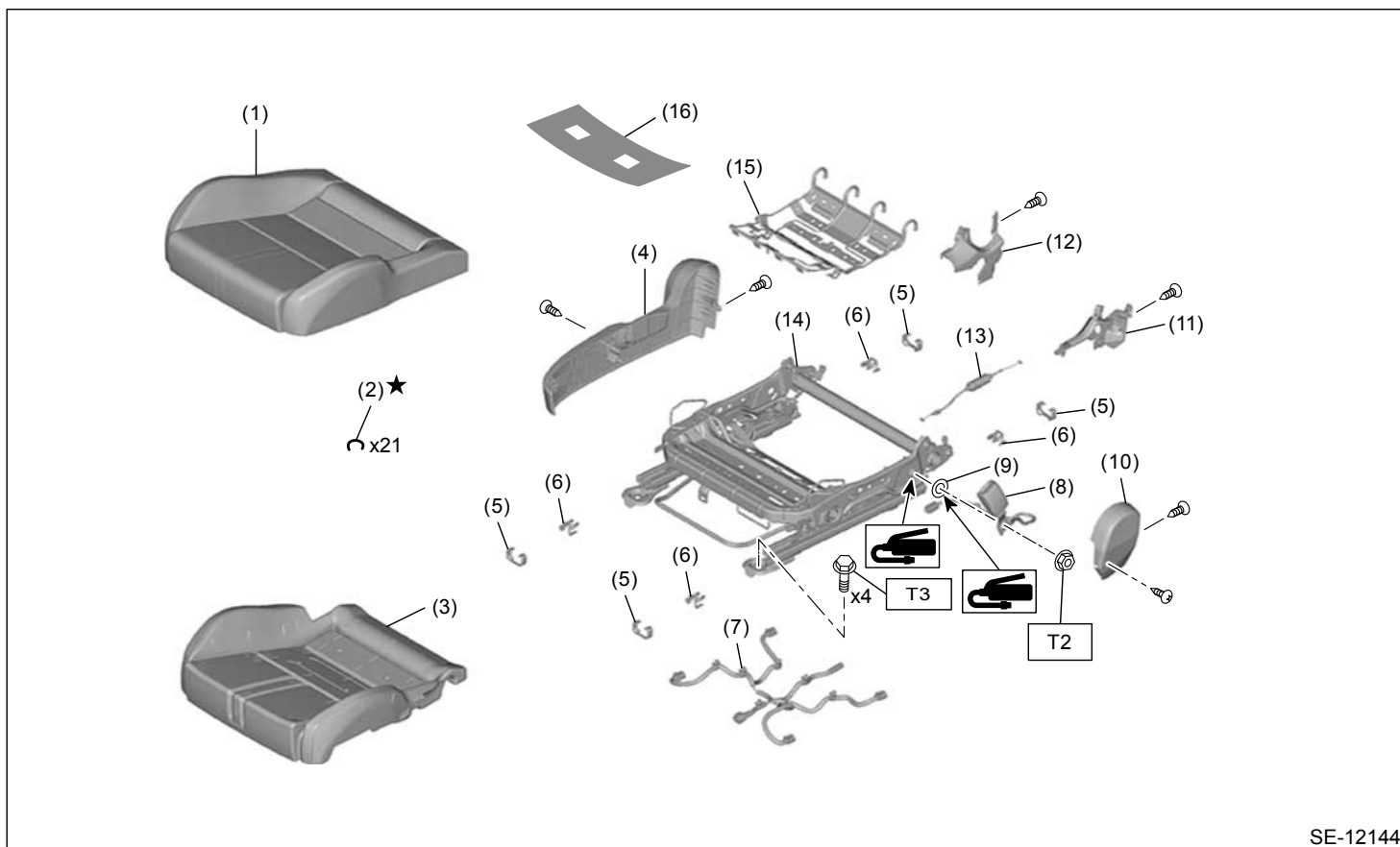
T1: 5.5 (0.6, 4.1)

T2: 6 (0.6, 4.4)

T3:  Ref. to SEATS>Front Seat>ASSEMBLY > SEAT COMMON OPERATION PROCEDURE.

Note:

Seat heater unit is integrated into the seat pad assembly backrest front seat.




SE-12144

- | | | |
|--------------------------------------|------------------------------------|------------------------|
| (1) Cover cushion front seat | (8) Belt ASSY front INN* | (15) Panel front wire |
| (2) Hog ring | (9) Spring wave washer | (16) Mat cushion guard |
| (3) Seat pad ASSY cushion front seat | (10) Cover hinge inside | |
| (4) Cover hinge outside | (11) Cover INN cushion inside | |
| (5) Cap end LWR | (12) Cover INN cushion outside | |
| (6) Cap end | (13) Connector cable | |
| (7) Harness ASSY front seat | (14) Frame ASSY cushion front seat | |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 38 (3.9, 28.0)

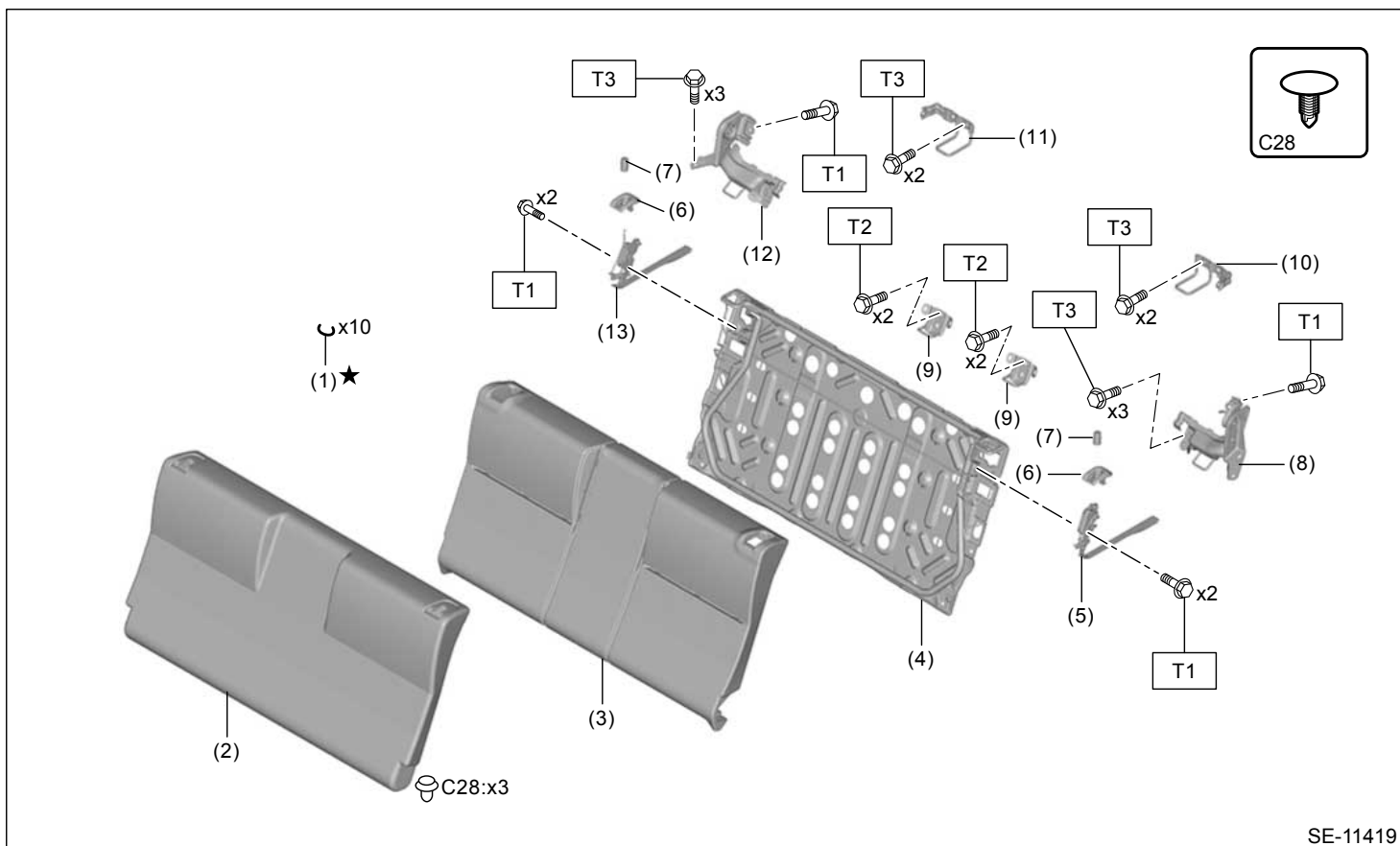
T2:  Ref. to SEATS>Front Seat>INSTALLATION.

*: Apply grease when replacing the belt assembly front INN.  Ref. to SEAT BELT SYSTEM>Front Seat Belt>INSTALLATION > BELT ASSEMBLY FRONT INN.

Note:

- Seat heater unit is integrated into the seat pad assembly cushion front seat.
- The load sensor is integrated into the seat frame assembly cushion.

2. REAR SEAT



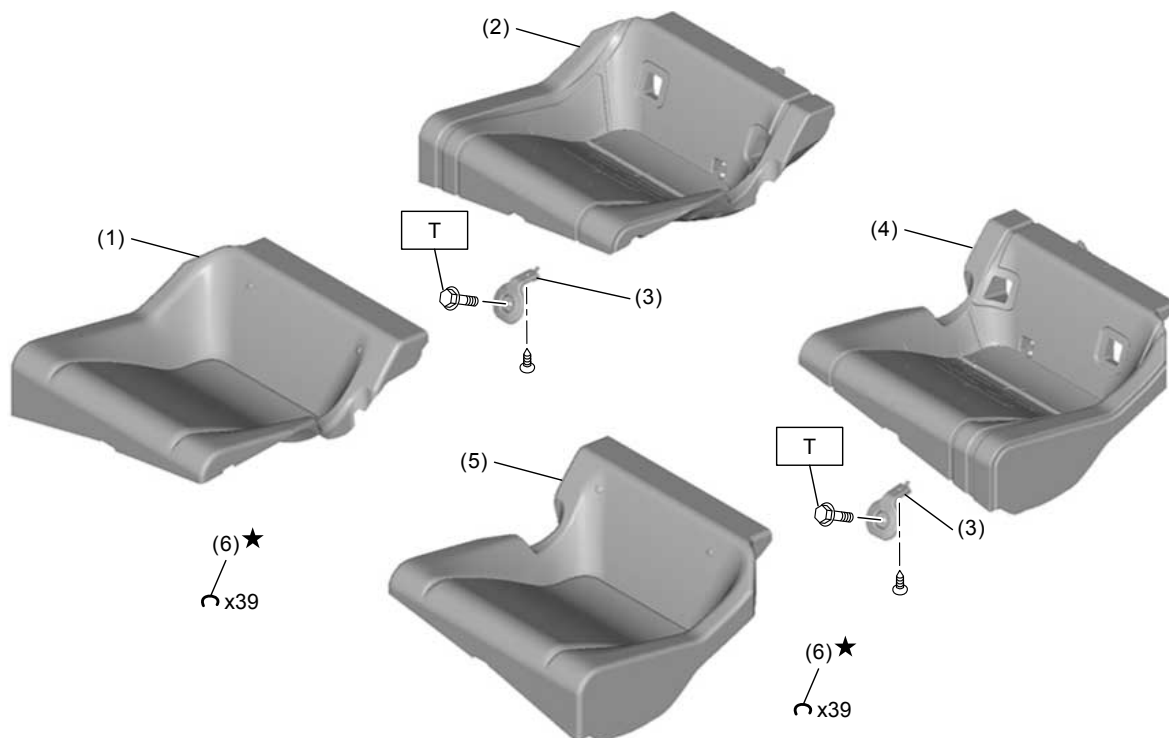
- | | |
|--------------------------------------|------------------------------|
| (1) Hog ring | (8) Hinge ASSY rear seat LH |
| (2) Cover backrest rear seat | (9) Plate anchor LWR |
| (3) Seat pad ASSY backrest rear seat | (10) Striker backrest LH |
| (4) Frame ASSY backrest rear seat | (11) Striker backrest RH |
| (5) Lock ASSY rear seat LH | (12) Hinge ASSY rear seat RH |
| (6) Knob guide | (13) Lock ASSY rear seat RH |
| (7) Knob lock ASSY | |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 24.5 (2.5, 18.1)

T2: 25 (2.5, 18.4)

T3: 33 (3.4, 24.3)



SE-11420

- | | | |
|-------------------------------------|-------------------------------------|--|
| (1) Cover cushion rear seat RH | (4) Pad & seatbelt reminder ASSY LH | Tightening torque: N·m (kgf-m, ft-lb) |
| (2) Pad & seatbelt reminder ASSY RH | (5) Cover cushion rear seat LH | |
| (3) Bracket cushion | (6) Hog ring | T: 13 (1.3, 9.6) |

Note:

The seating sensor mat is integrated with the pad & seatbelt reminder assembly.

SEATS > General Description

PREPARATION TOOL

1. SUBARU SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	—	SUBARU SELECT MONITOR 4	Used for setting of each function and troubleshooting for electrical system.



STSSM4

Note:


- For detailed operation procedures, refer to “Help” of application.
- Used together with interface for Subaru Select Monitor (such as DST-i and DST-010).

2. OTHER

	Remarks
Hog ring pliers	Used for installing the hog ring.
Circuit tester	Used for measuring resistance, voltage and current.

SEATS > Relay and Fuse

LOCATION

For the location, refer to "FUSE AND RELAY" in the wiring diagram.  [Ref. to WIRING SYSTEM>Fuse And Relay.](#)

Note:

For details of relay and fuse, refer to "DC POWER SUPPLY CIRCUIT".  [Ref. to WIRING SYSTEM>Power Supply Circuit.](#)

SEATS > Relay and Fuse

INSPECTION


1. CHECK FUSE


1. Remove the fuse and inspect visually.
2. If the fuse is blown out, replace the fuse.

SEATS > Front Seat

REMOVAL

Caution:

Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

1. Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
2. Remove the headrest assembly.
3. Remove the slide rail assembly installing bolt.


Caution:

Use a suitable tool for the front seat mounting bolt. As low head bolts are used, the bolts may be damaged.

- (1) Tilt the backrest assembly forward.
- (2) Move the front seat to the front-most position, and remove the bolts.
- (3) Move the front seat to the rearmost position, and remove the bolts.

Note:

After the bolts are removed, move the seat to the middle position in order to make it easier to take out of the vehicle.

4. Disconnect the connector.
 - (1) Remove the J-fastener and peel off the cover front seat cushion.
 - (2) Disconnect the connector between passenger compartment floor under front seat — seat.
 - Seat heater connector
 - Seat belt connector
 - Side airbag connector  [Ref. to AIRBAG SYSTEM>Airbag Connector>PROCEDURE > SIDE AIRBAG MODULE.](#)
 - Load sensor connector (passenger's seat)
5. Take out the front seat from the vehicle.


Caution:

Be careful not to damage the body.

SEATS > Front Seat

INSTALLATION

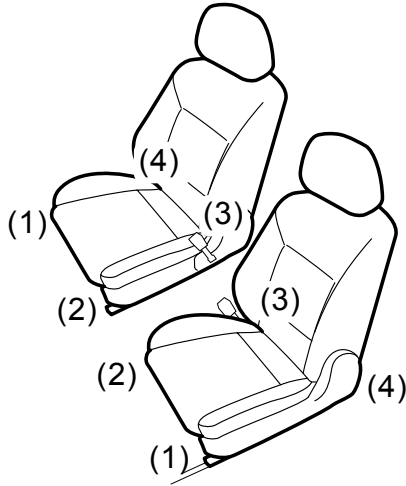
Caution:

Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

1. Bring the front seat inside the vehicle.
2. Connect the connectors located under the front seat.
3. Install the seat assembly.

Caution:




Tighten the slide rail assembly installing bolts in the order as shown in the figure, in several steps by gradually increasing the torque until they reach the specified torque.



SE-10186


Tightening torque:



53 N·m (5.4 kgf-m, 39.1 ft-lb)

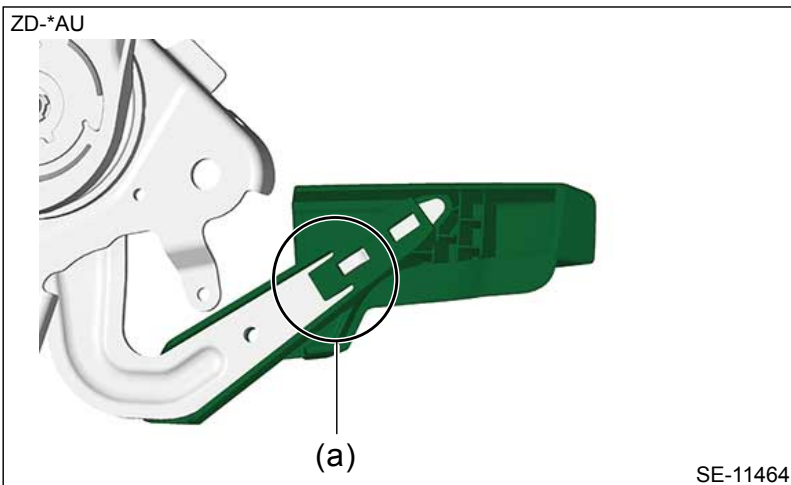
4. Install the headrest assembly.
5. Connect the ground terminal to battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
6. Regarding the front seat (passenger's seat), perform [Rezeroing] for the occupant detection system.
 [Ref. to AIRBAG\(DIAGNOSTICS\)>Rezero.](#)
7. Regarding the front seat (passenger's seat), perform "Occupant Detection System Inspection" to check if the occupant detection system operates normally.  [Ref. to SEAT BELT SYSTEM>Seat Belt Warning System>INSPECTION.](#)

SEATS > Front Seat**DISASSEMBLY****1. DRIVER'S SEAT**

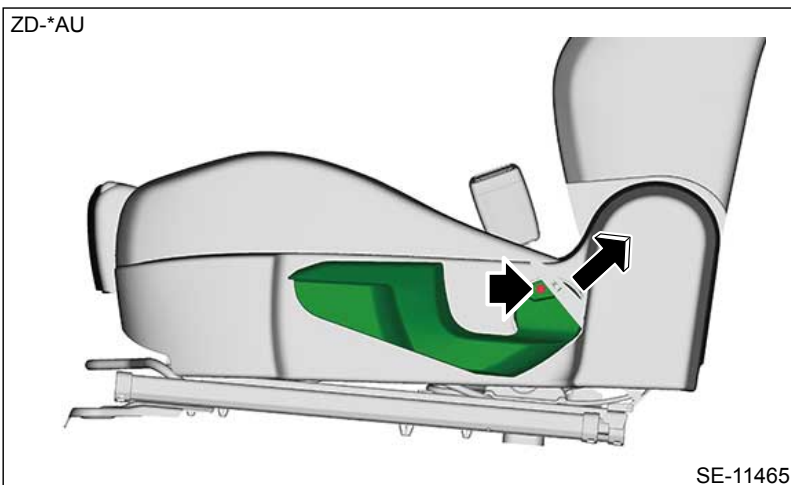
Caution:

- Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)
- The seat position sensor is fixed to the cushion frame assembly. Do not remove the seat position sensor from the cushion frame assembly.

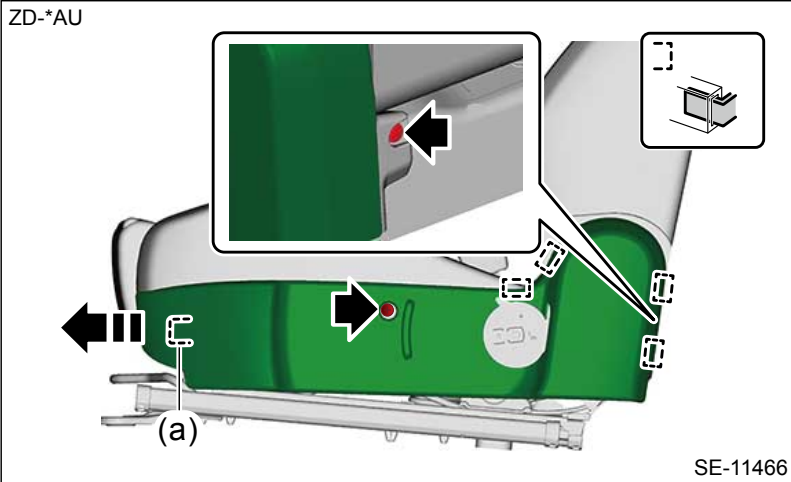
1. Prior to starting work, check the following precautions.  [Ref. to SEATS>General Description>CAUTION.](#)
2. Remove the front seat from vehicle.  [Ref. to SEATS>Front Seat>REMOVAL.](#)
3. Remove the lever reclining.
 - (1) Pull up the lever reclining.
 - (2) Release the claw (a), and then remove the lever reclining.



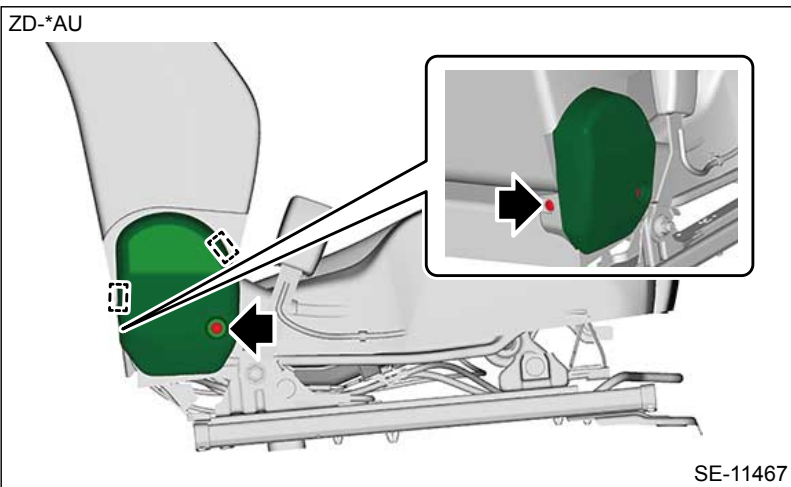
4. Remove the screw and remove the lever lifter.




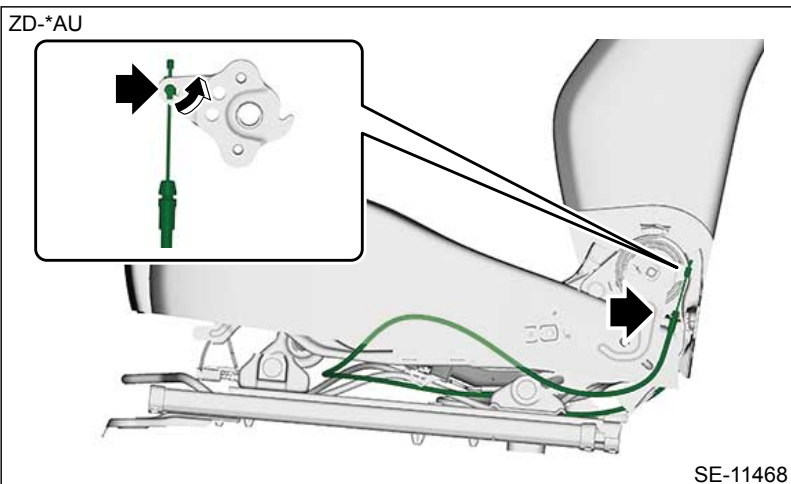
5. Remove the cover hinge outside.
 - (1) Remove the screws.
 - (2) Pull forward to release the claw (a) and remove the cover hinge inside.



- 6.** Remove the screws and detach the cover hinge inside.

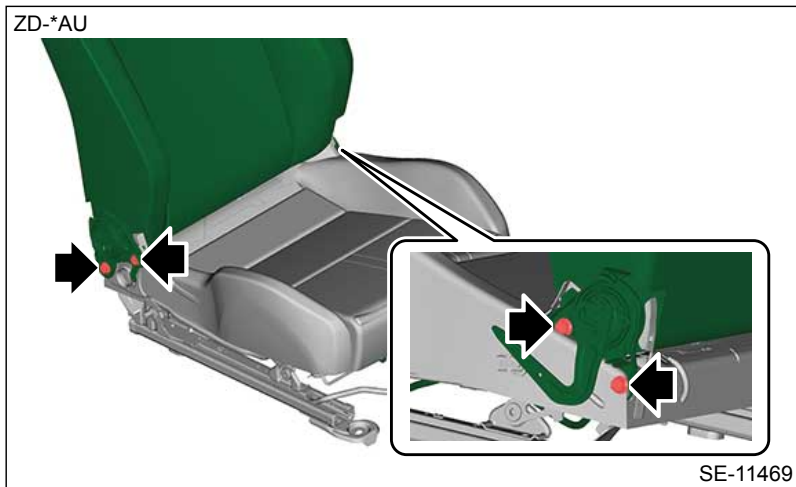


- 7.** Remove the belt assembly front INN.  [Ref. to SEAT BELT SYSTEM>Front Seat Belt>REMOVAL > BELT ASSEMBLY FRONT INN.](#)
- 8.** Separate the backrest assembly and the seat cushion assembly.
- (1) Disconnect the cable walk-in.



- (2) Remove the harness on the back side of the seat cushion assembly.
- Side airbag harness
 - Seat heater harness on the backrest side

(3) Remove the bolts from reclining hinge of both sides.



(4) While taking care not to damage the airbag harness, separate the backrest assembly and the seat cushion assembly.

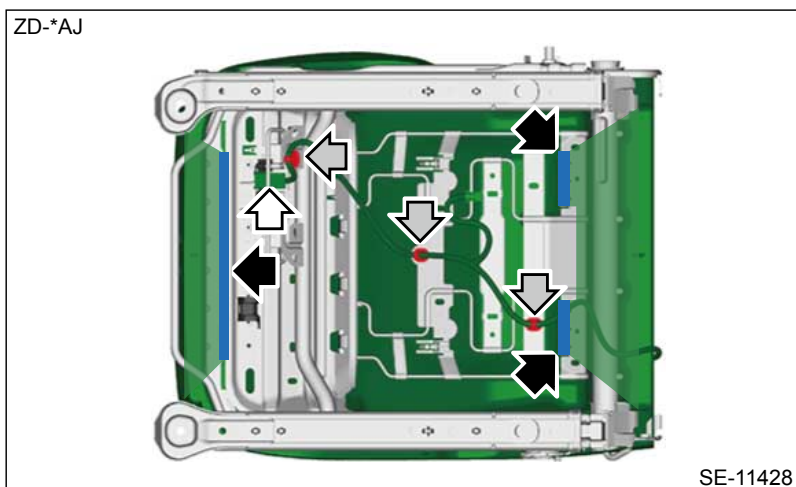
(5) Remove the cover INN cushion inside and the cover INN cushion outside.

9. Remove the seat pad assembly cushion and the cover front seat cushion.

(1) Disconnect the connector.

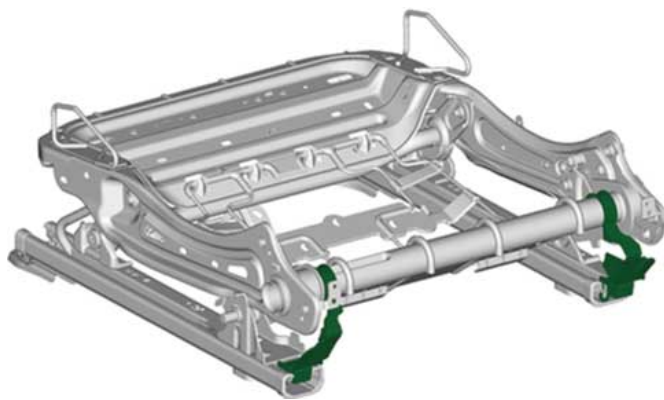
(2) Unfasten the J-fastener on the front and rear side.

(3) Remove the seat pad assembly cushion and the cover front seat cushion from the seat cushion assembly.



10. Remove the cover lifter link.

ZD-*AJ

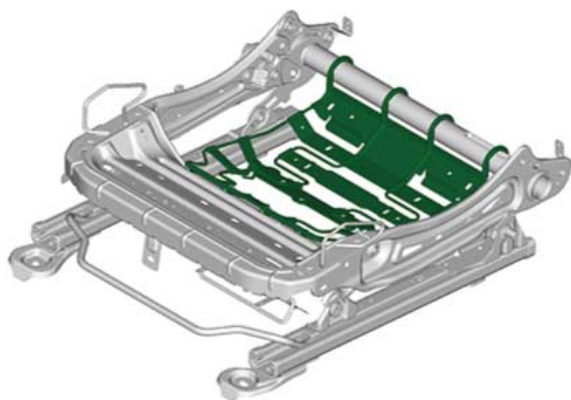


SE-11429

11. Remove the panel front wire.

- (1) Remove the mat cushion guard.
- (2) Remove the panel front wire.

ZD-*AJ



SE-11430

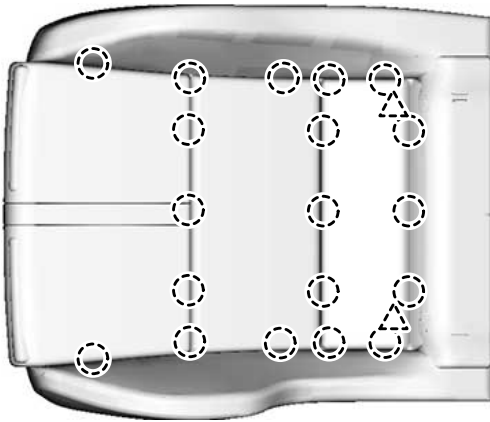
12. Remove the cover front cushion.

Caution:

Since the seat heater unit is integrated with the seat pad assembly, do not disassemble them.

- (1) Remove the hog ring.

ZD-*AJ



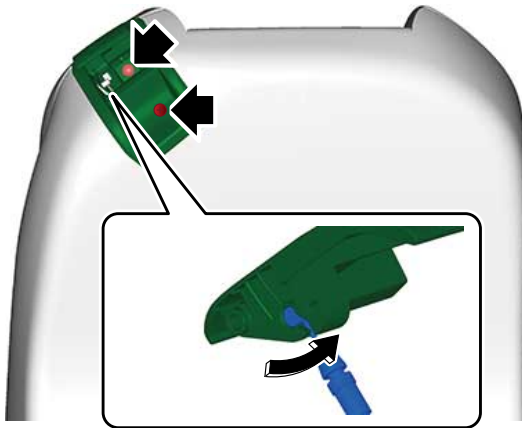
SE-11444

(2) Pull out the seat pad assembly cushion from the cover front seat cushion.

13. Remove the lever walk-in.

- (1) Open the cover and remove the screw.
- (2) Remove the cable walk-in and lever walk-in.

ZD-*AU



SE-11470

(3) Remove the cover walk-in.

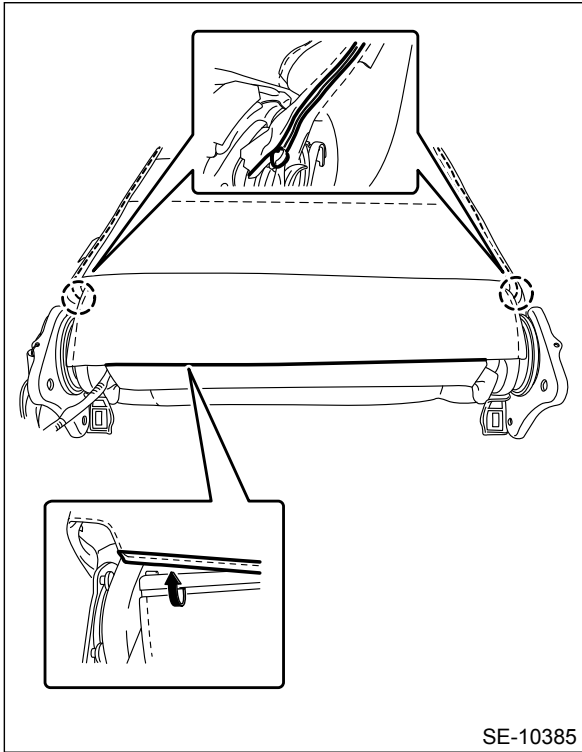
ZD-*AU



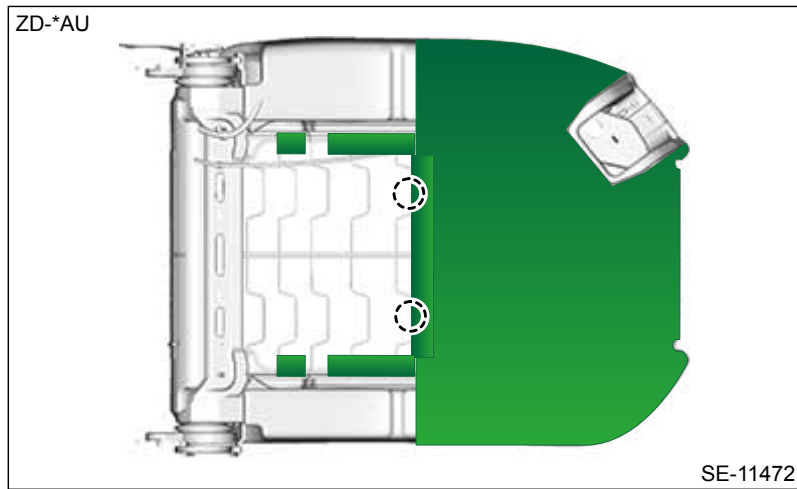
SE-11471

14. Remove the seat pad assembly backrest and the cover front seat backrest.

- (1) Remove the plastic fastener at the back side (bottom) of backrest assembly.
- (2) Open the fastener at the rear side of backrest assembly.

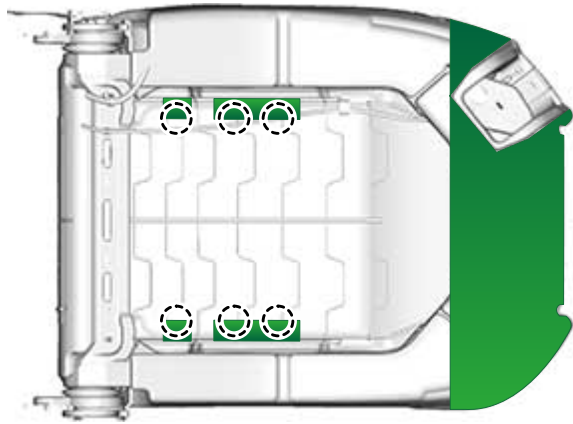


(3) Remove the hog ring.



(4) Remove the hog ring.

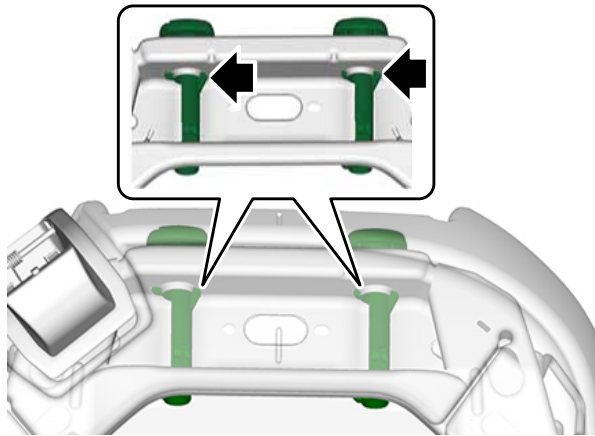
ZD-*AU



SE-11473

(5) Release the claws and remove the bushing headrest.

ZD-*AU



SE-11583

(6) Remove the seat pad assembly backrest and the cover front seat backrest from the seat backrest assembly.

(7) Remove the cable walk-in.

15. Remove the side airbag module.

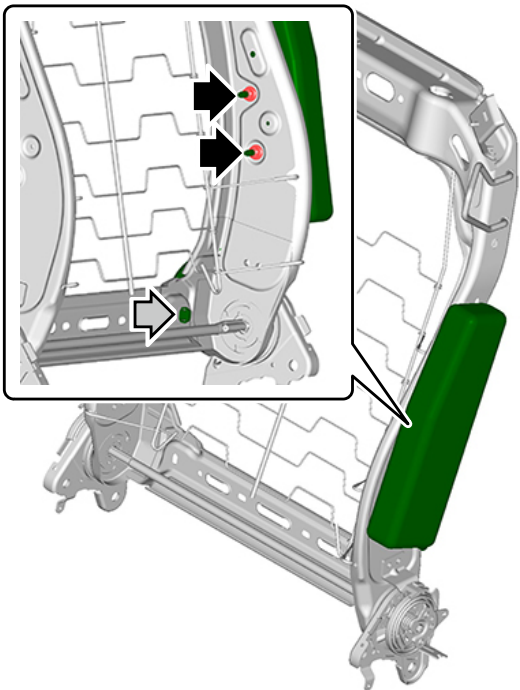
Caution:

Do not open the protective cover of the side airbag module. If any damage is present in the protective cover or the cloth of side airbag module comes out from the protective cover slit, replace the side airbag module with a new part.

(1) Remove the self-locking nut.

(2) While taking care not to damage the airbag protective cover, remove the side airbag module.

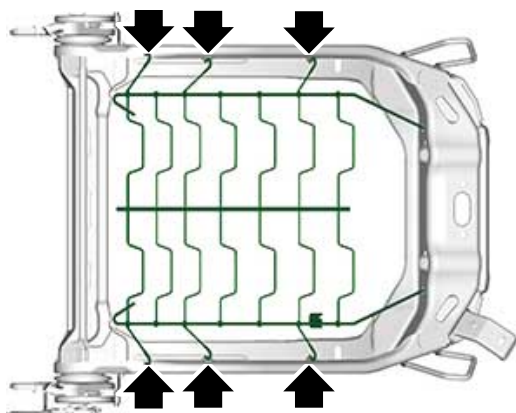
ZD-*AU



SE-11584

16. Remove the flat mat assembly.

ZD-*AU



SE-11475

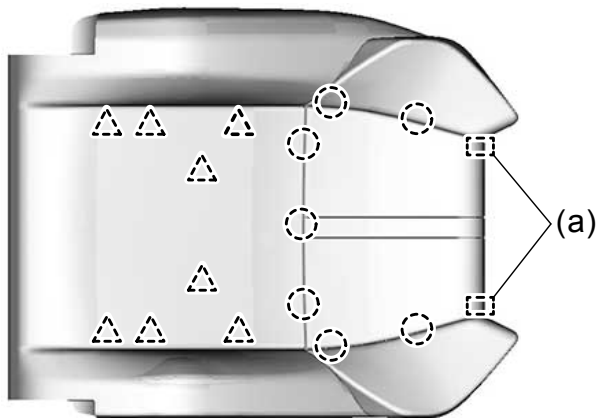
17. Remove the cover front seat backrest.

Caution:

Since the seat heater unit is integrated with the seat pad assembly, do not disassemble them.

(1) Remove the hog ring.

ZD-AJ



SE-11445


(2) Pull out the seat pad assembly backrest from the cover front seat backrest.




Note:

Pull it out so that the tape (a) of the seat pad assembly backrest does not come off.

2. PASSENGER'S SEAT

Caution:

- Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)
- When disassembling the passenger's seat, be careful of the following.
 - Do not remove the load sensor from the passenger's seat cushion frame assembly. It is fixed to the cushion frame assembly.
 - When the cushion frame assembly of the passenger's seat is replaced, do not touch the load sensor. Failure to do so may electrically impair it.


1. Prior to starting work, check the following precautions.  [Ref. to SEATS>General Description>CAUTION.](#)
2. Remove the front seat from vehicle.  [Ref. to SEATS>Front Seat>REMOVAL.](#)
3. For the disassembly procedure of the passenger's side, refer to the disassembly procedures for the driver's side.  [Ref. to SEATS>Front Seat>DISASSEMBLY > DRIVER'S SEAT.](#)

SEATS > Front Seat

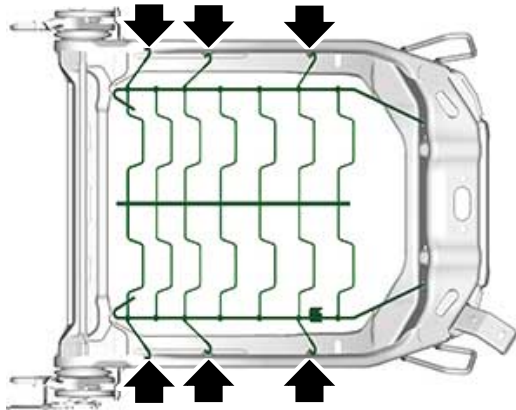
ASSEMBLY

1. SEAT COMMON OPERATION PROCEDURE

Caution:

- Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)
- Do not confuse the harness routing of the side airbag harness and the front seat belt INN harness, etc. Assembling with harnesses improperly routed may cause the harness to get caught and short out.
- If the hook of the flat mat assembly is deformed or comes off due to the deformation, replace the flat mat assembly with a new part.

ZD-*AU

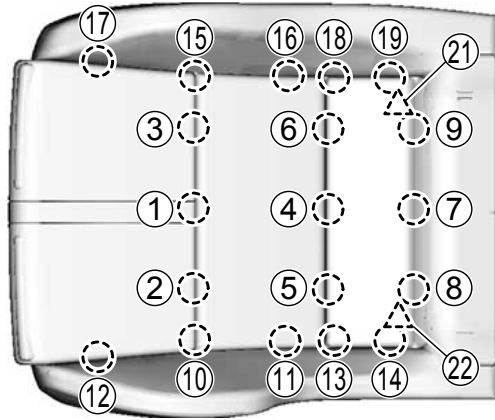


SE-11475

- If the front seat cover is not installed securely, the side airbag module may not be activated properly. Therefore, keep strictly to the following procedures.
 - Do not reuse the mounting nuts of the airbag module. Always replace with a new specified nut.
 - Be careful not to stain or damage the front seat cover during assembly.
 - Do not reuse hog rings.
 - Secure the hog ring using hog ring pliers.
 - Install the hog rings to the specified points securely and make sure that there is no wrinkle or twisting on the front seat cover.

1. Make sure that there is no foreign matter on side airbag module.
2. Assemble the seat cover.
 - (1) Secure the wire inside the seat pad assembly and the cover seat using new hog rings in the order shown in the figure.
 - (2) Make sure that all hog rings, plastic fasteners and tape are attached securely.
 - Cushion cover

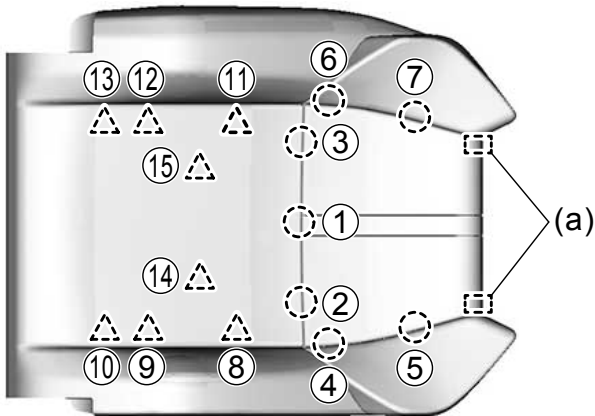
ZD-*AJ



SE-11455

- Backrest cover

ZD-*AJ



SE-11456

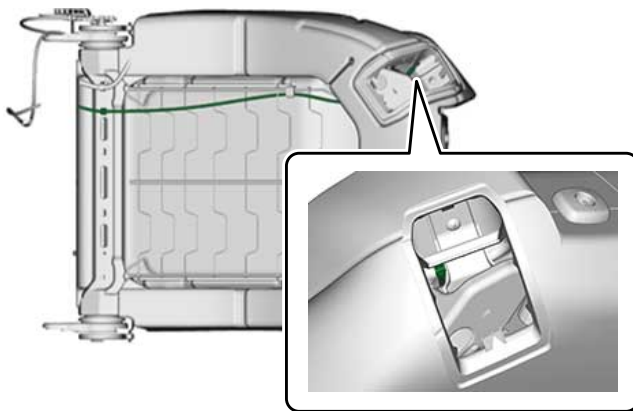
(a) Tape

3. Assemble remaining parts in the reverse order of disassembly.

Note:

- Route the cable walk-in by referring to the following.

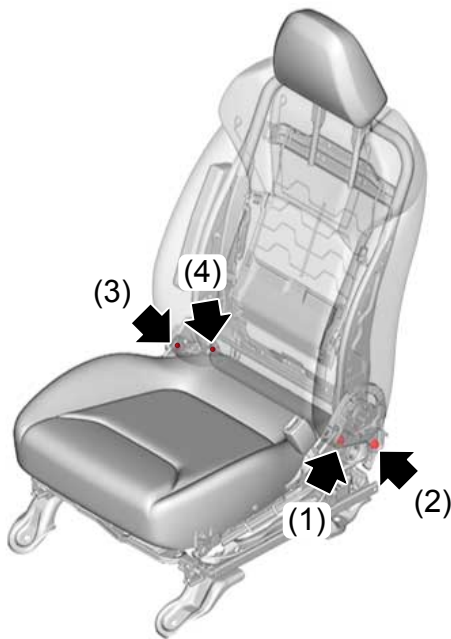
ZD-*AU



SE-11476

- Install the backrest assembly and seat cushion assembly in the following procedure.
 1. Temporarily tighten the four reclining hinge bolts.
 2. Tighten the reclining hinge bolts in order from (1) to (4) two or three times, until they reach the specified torque.

SK-*AE



SE-10674

Tightening torque:

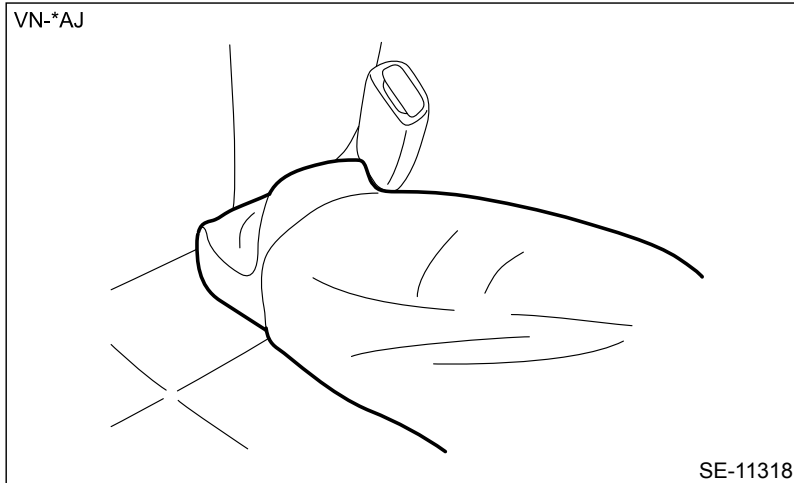
40 N·m (4.1 kgf-m, 29.5 ft-lb)

- When installing the front seat belt INN, follow the procedures described in the SEAT BELT section.  [Ref. to SEAT BELT SYSTEM>Front Seat Belt>INSTALLATION.](#)

Tightening torque:

Refer to "COMPONENT" of "General Description" for the tightening torque.  [Ref. to SEATS>General Description>COMPONENT > FRONT SEAT.](#)

4. If any wrinkles are found after the assembly of the seat cover, finish the seat cover with iron.
(1) Place the wet towel on wrinkles.



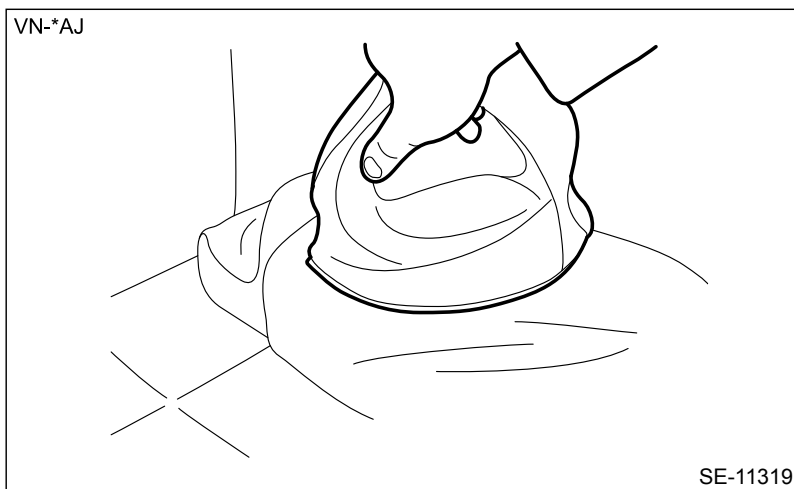
- (2) Touch up with warm iron.



Caution:

Keep moving the iron, otherwise the seat cover surface can be damaged.

Note:

This method is available for genuine leather, synthetic leather, cloth, etc.



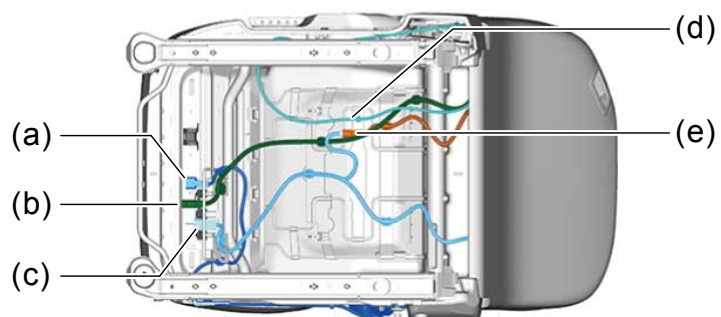
5. Install connectors located under the front seat.  [Ref. to SEATS>Front Seat>ASSEMBLY > CONNECTOR & HARNESS.](#)
6. Install the seat assembly.  [Ref. to SEATS>Front Seat>INSTALLATION.](#)

2. CONNECTOR & HARNESS

Route the harness and cable by referring to the following.

- Driver's seat

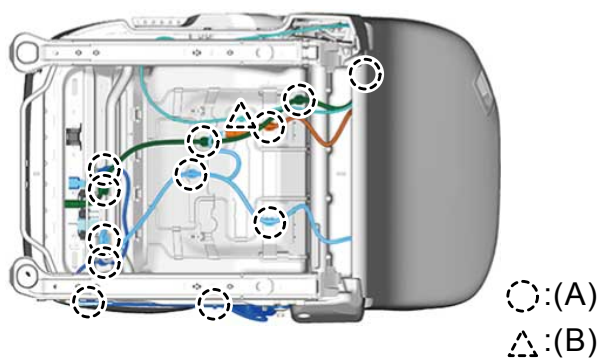
ZD-*AU



SE-11585

- (a) Seat belt connector
- (b) Side airbag connector
- (c) Seat heater connector
- (d) Reclining cable
- (e) Backrest heater connector

ZD-*AU

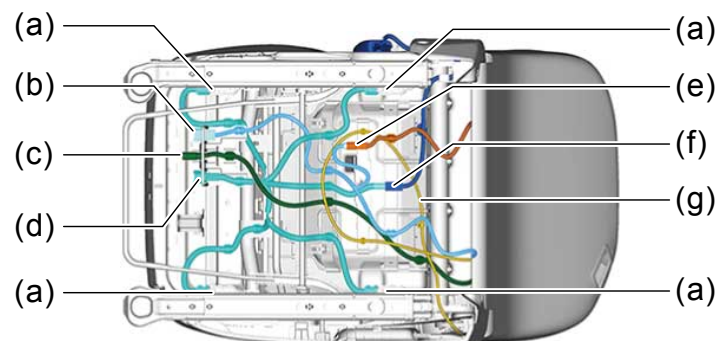


SE-11586

- (A) Harness clamp
- (B) Cable clamp

• Passenger's seat

ZD-*AU

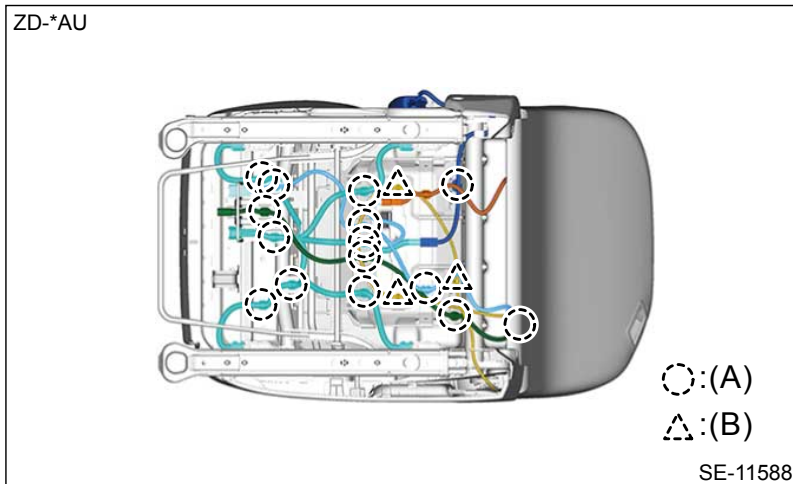


SE-11587

- (a) Load sensor
- (b) Seat heater connector
- (c) Seat heater connector
- (d) Load sensor connector
- (e) Backrest heater connector
- (f) Backrest heater connector
- (g) Reclining cable

(c) Side airbag connector

(f) Seat belt connector



(A) Harness clamp

(B) Cable clamp

SEATS > Front Seat

INSPECTION


1. SEAT COVER

Check that there is no tear or fray on the cover front seat backrest and the cover front seat cushion.

Note:

If the door side of the front seat backrest cover is torn or frayed, the side airbag module may not be deployed properly. In this case, replace the front seat backrest cover with a new part.

2. CHECK PASSENGER'S SEAT BELT WARNING LIGHT

For inspection of the passenger's seat belt warning light, refer to "Seat Belt Warning System" in the "SEAT BELT SYSTEM" section.  [Ref. to SEAT BELT SYSTEM>Seat Belt Warning System>INSPECTION.](#)

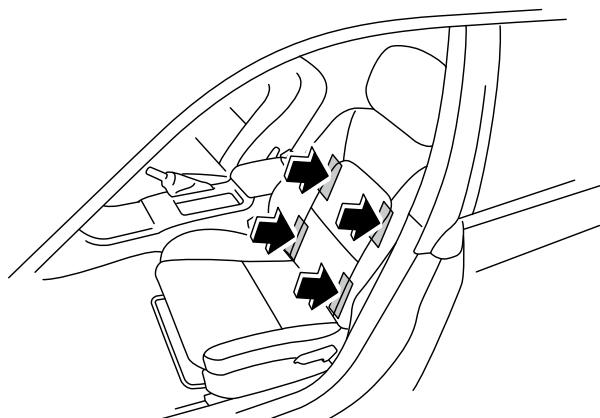
3. FLAT MAT

Check the hook section of the flat mat by applying weight to the backrest assembly.

Note:

If the appropriate stiffness is not obtained by applying weight to the backrest assembly, the hook may be disengaged.

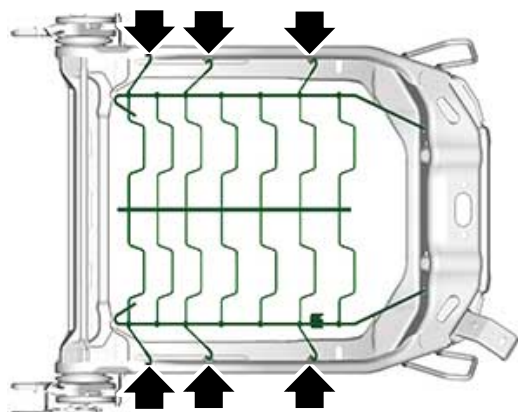
VN-*AJ



SE-11330

If it is due to the deformation of the hook, replace the flat mat assembly with a new part.

ZD-*AU



SE-11475


4. RECLINING LEVER


Pull the lever reclining and check that the reclining walk-in slide operates normally.

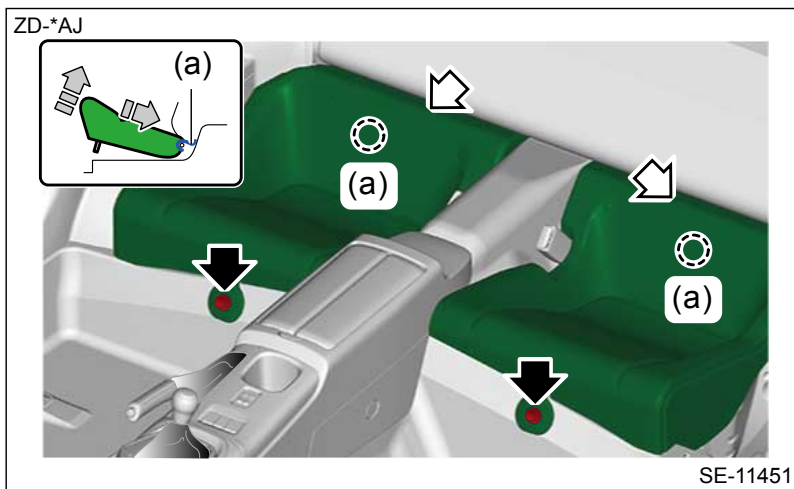
SEATS > Rear Seat

REMOVAL

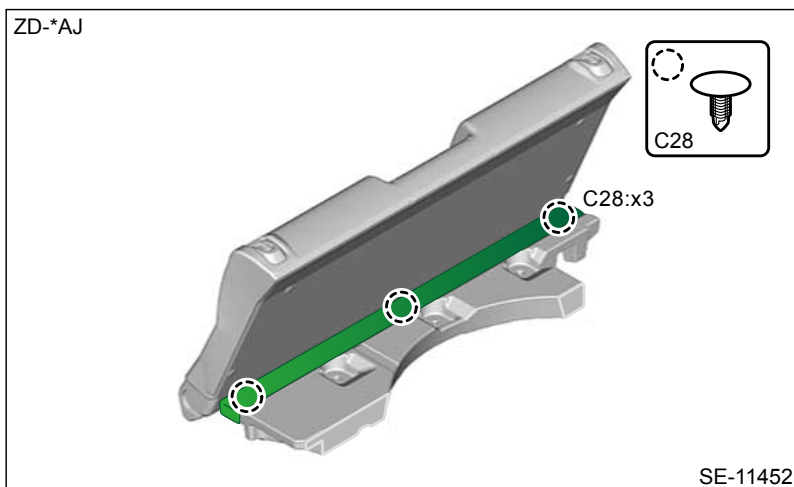
Caution:

Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

1. Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
2. Remove the cushion assembly rear seat.
 - (1) Remove the bolt.
 - (2) Remove the hook (a) by pushing it back while lifting the front side of the rear seat cushion.
 - (3) Disconnect the connector and remove the cushion assembly rear seat.

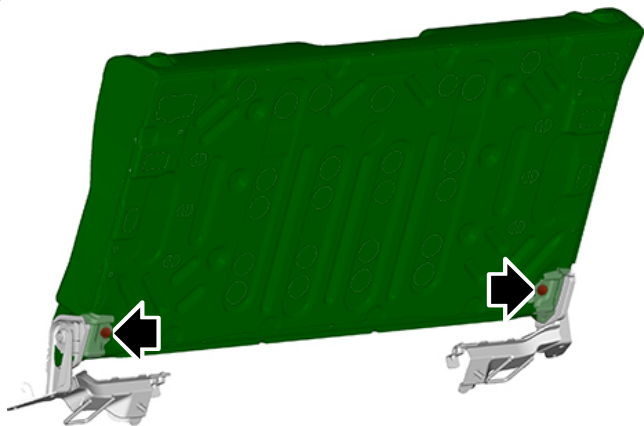


3. Take out the mat rear floor.
4. Remove the backrest assembly rear seat.
 - (1) Tilt the backrest assembly rear seat forward.
 - (2) Remove the clips on the back mat of the rear seat.







- (3) Turn over the cover rear seat backrest to remove the bolts.

ZD-*AJ

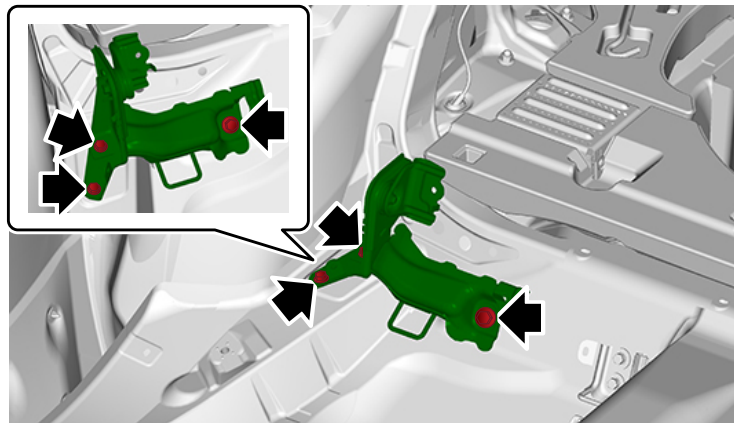


SE-11453


(4) Remove the backrest assembly rear seat.

5. Remove the cover side sill front Rr and the cover side sill front Ft.  [Ref. to EXTERIOR/INTERIOR TRIM>Lower Inner Trim>REMOVAL.](#)
6. Remove the weather strip body side flange front.  [Ref. to EXTERIOR BODY PANELS>Weather Strip>REPLACEMENT.](#)
7. Remove the trunk trim panel side.  [Ref. to EXTERIOR/INTERIOR TRIM>Trunk Room Trim>REMOVAL.](#)
8. Remove the trim panel assembly quarter and the trim panel assembly C pillar rear.  [Ref. to EXTERIOR/INTERIOR TRIM>Rear Quarter Trim>REMOVAL.](#)
9. Remove the bolts, and then remove the hinge assembly.

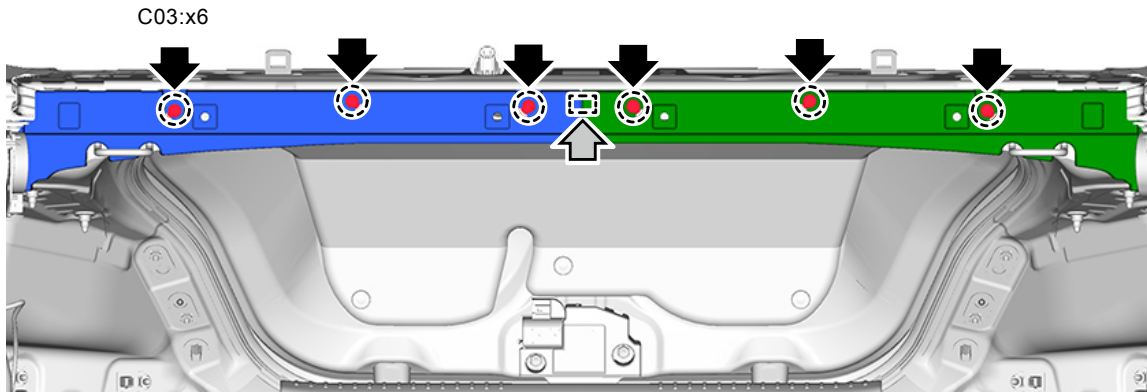
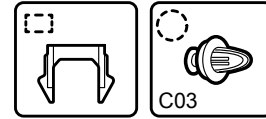
ZD-*AJ



SE-11454

10. Remove the trim panel assembly rear shelf.  [Ref. to EXTERIOR/INTERIOR TRIM>Rear Shelf Trim>REMOVAL.](#)
11. Remove the trim panel assembly trunk front.
 - (1) Release the clips and claws, and remove the trim panel assembly trunk front LH.
 - (2) Release the clips and remove the trim panel assembly trunk front RH.

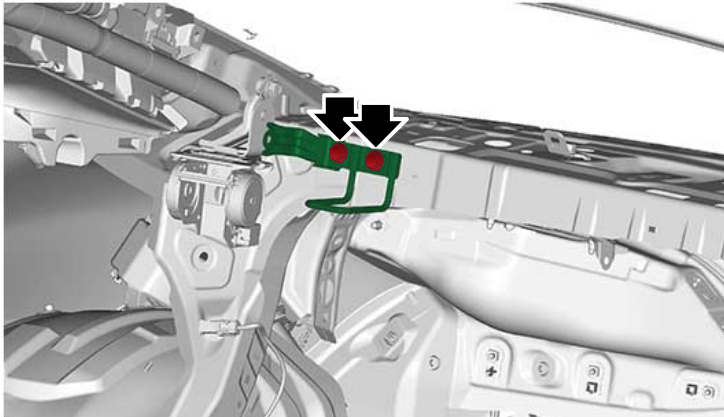
ZD-*AJ



SE-11595

12. Remove the bolts, and then remove the striker assembly backrest.

ZD-*AJ




SE-11463

SEATS > Rear Seat

INSTALLATION


Caution:

Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

1. Install the striker backrest.

Tightening torque:

33 N·m (3.4 kgf-m, 24.3 ft-lb)






2. Install the trim panel assembly trunk front.
 - (1) Install the trim panel assembly trunk front RH.
 - (2) Install the trim panel assembly trunk front LH and engage the claws.
3. Install the trim panel assembly rear shelf.  [Ref. to EXTERIOR/INTERIOR TRIM>Rear Shelf](#)

Trim>INSTALLATION.

4. Install the hinge assembly.

Tightening torque:



33 N·m (3.4 kgf-m, 24.3 ft-lb)

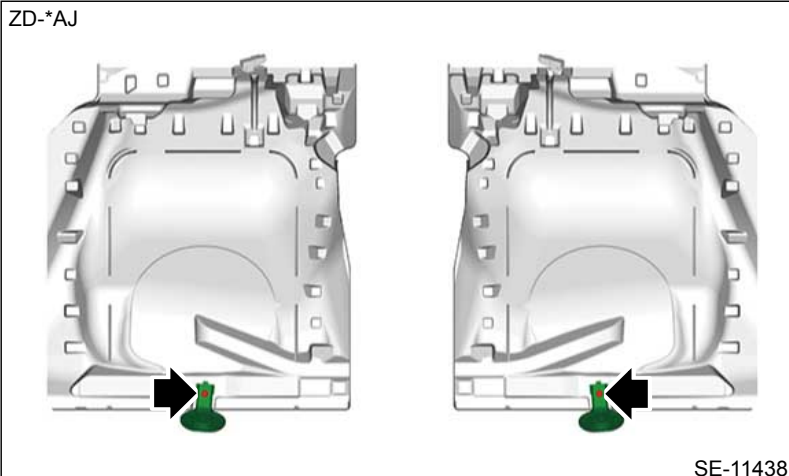
5. Install the trim panel assembly C pillar rear and the trim panel assembly quarter.  [Ref. to EXTERIOR/INTERIOR TRIM>Rear Quarter Trim>INSTALLATION.](#)
6. Install the trunk trim panel side.  [Ref. to EXTERIOR/INTERIOR TRIM>Trunk Room Trim>INSTALLATION.](#)
7. Install the weather strip body side flange front.  [Ref. to EXTERIOR BODY PANELS>Weather Strip>REPLACEMENT.](#)
8. Install the cover side sill front Ft and the cover side sill front Rr.  [Ref. to EXTERIOR/INTERIOR TRIM>Lower Inner Trim>INSTALLATION.](#)
9. Install the backrest assembly rear seat.
Tightening torque:
24.5 N·m (3.4 kgf-m, 24.3 ft-lb)
10. Install the mat rear floor.
11. Connect the connector and install the cushion assembly rear seat.
Tightening torque:
13 N·m (3.4 kgf-m, 24.3 ft-lb)
12. Connect the ground terminal to battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)

SEATS > Rear Seat

DISASSEMBLY

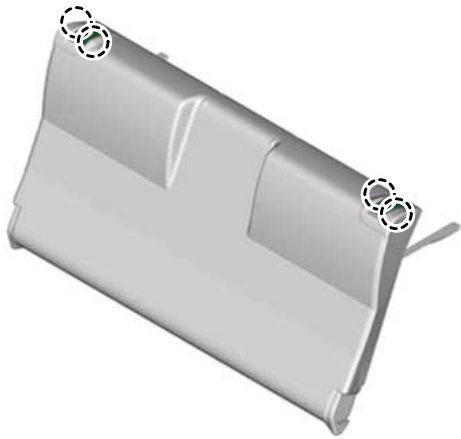


1. Prior to starting work, check the following precautions.  [Ref. to SEATS>General Description>CAUTION.](#)
2. Remove the rear seat.  [Ref. to SEATS>Rear Seat>REMOVAL.](#)
3. Remove the screw, and then remove the bracket cushion.



4. Release the claw, and then remove.

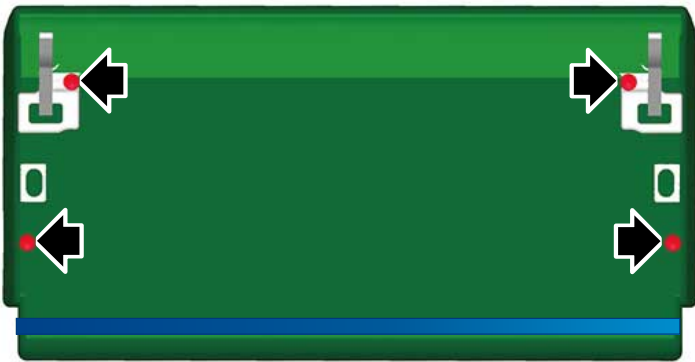
ZD-*AJ



SE-11439

- 5.** Remove the cover backrest rear seat and seat pad assembly rear backrest.
(1) Remove the clip and detach the plastic fastener at the bottom of backrest assembly.

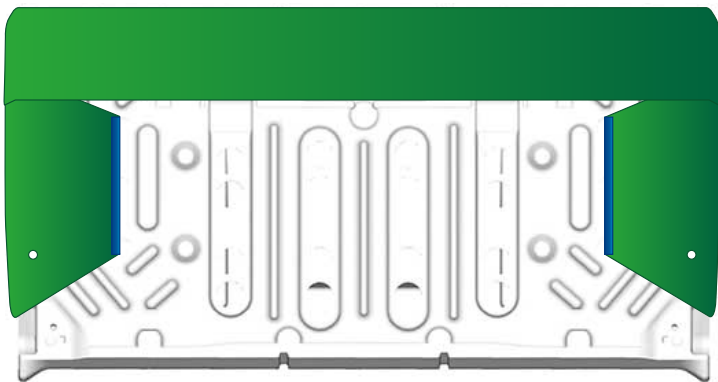
ZD-*AJ



SE-11440

- (2) Turn over the cover backrest rear seat and remove the plastic fasteners on the right and left of the backrest assembly.

ZD-*AJ



SE-11441

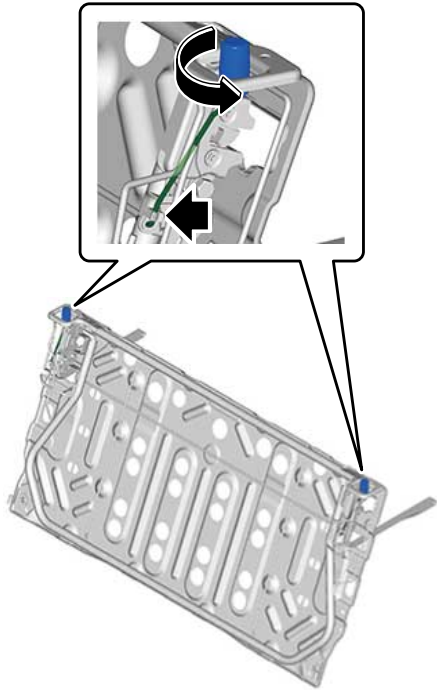
- (3) Remove the cover backrest rear seat and seat pad assembly rear backrest.
6. Remove the lock assembly.

Caution:

Pay attention to the burrs on the panel edge.

- (1) Remove the knob lock assembly.
- (2) Remove the shaft lock assembly.

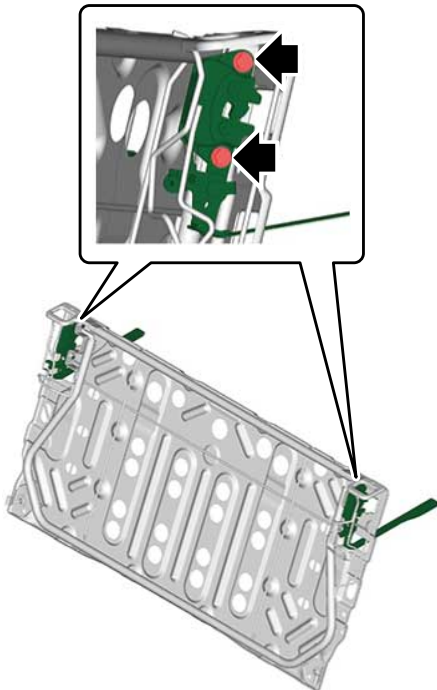
ZD-*AJ



SE-11442

- (3) Remove the bolts, and remove the lock assembly.

ZD-*AJ



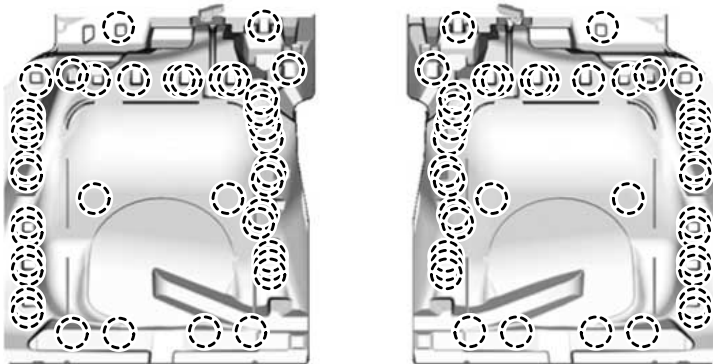
SE-11443

7. Remove the hog rings, then remove the cover cushion rear seat.

Caution:

If the seating sensor mat is removed, replace the pad & seat belt reminder assembly with a new part. If the seating sensor mat is reused, the detection may not operate properly.

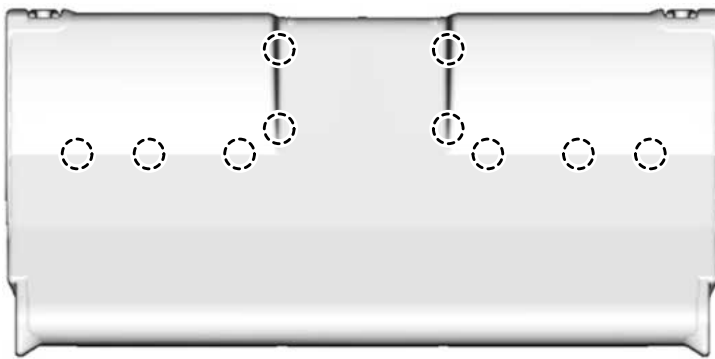
ZD-*AJ



SE-11448

8. Remove the hog rings, then remove the cover backrest rear seat.


ZD-*AJ



SE-11449

SEATS > Rear Seat**ASSEMBLY****Caution:**

- If the seating sensor mat is removed, replace the pad & seat belt reminder assembly with a new part. If the seating sensor mat is reused, the detection may not operate properly.
- Do not reuse the hog ring and hang wire.
- Secure the hog ring using hog ring pliers.
- Install the hog rings to the specified points securely and make sure that there is no wrinkle or twisting on the rear seat backrest cover and rear seat cushion cover.

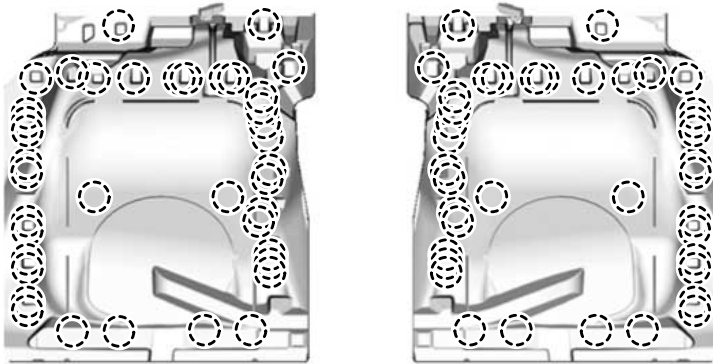
1. Assemble the cover cushion rear seat and pad & seatbelt reminder assembly in the same manner as the front seat.  [Ref. to SEATS>Front Seat>ASSEMBLY.](#)

Note:

- Do not contaminate or damage the seat surface and seat pad.
- While installing the hog rings, prevent the seat surface from getting wrinkled.

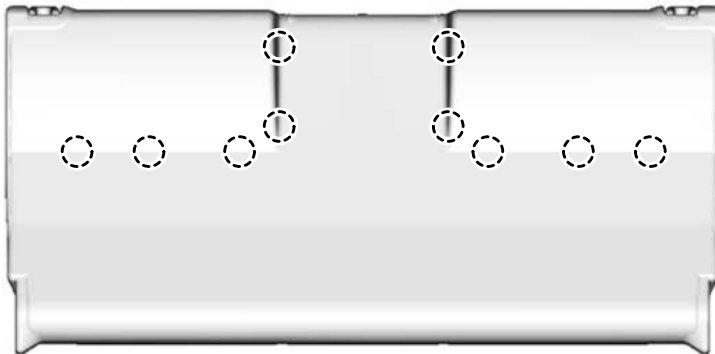
(1) Install the hog rings, and assemble the cover cushion rear seat and pad & seatbelt reminder assembly.

ZD-*AJ



SE-11448

ZD-*AJ



SE-11449

2. Install the lock assembly.

Tightening torque:

24.5 N·m (2.5 kgf-m, 18.1 ft-lb)

3. Install the cover backrest rear seat and seat pad assembly rear backrest.

4. Install the bracket cushion.

5. Check that there is no tear or fray on the seat surface.

6. Install the rear seat.  [Ref. to SEATS>Rear Seat>INSTALLATION.](#)


SEATS > Rear Seat

INSPECTION

1. SEAT COVER


- Check that there is no tear or fray on the seat surface.
- Check that the folding down mechanism and the reclining mechanism operate normally.

2. CHECK REAR SEAT BELT WARNING LIGHT

For inspection of the rear seat belt warning light, refer to "Seat Belt Warning System" in the "SEAT BELT SYSTEM" section.  [Ref. to SEAT BELT SYSTEM>Seat Belt Warning System>INSPECTION.](#)

SEATS > Seat Heater System




WIRING DIAGRAM

For the wiring diagram, refer to "Seat Heater System" in the wiring diagram.  [Ref. to WIRING SYSTEM>Seat Heater System>WIRING DIAGRAM.](#)

SEATS > Seat Heater System

INSPECTION

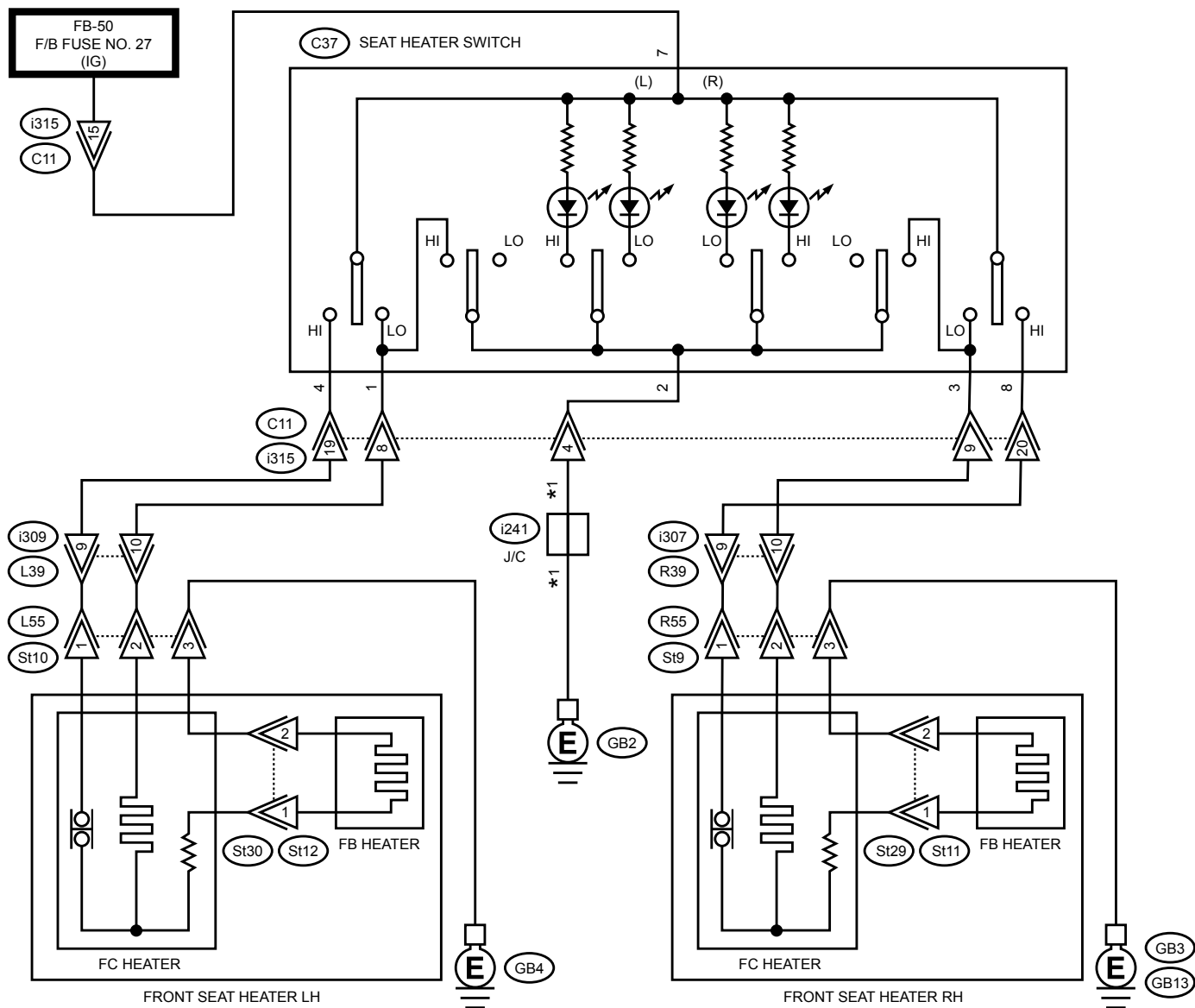
1. TROUBLE SYMPTOM

Symptoms	Reference
Front seat heater does not operate	 Ref. to SEATS>Seat Heater System>INSPECTION > FRONT SEAT HEATER DOES NOT OPERATE.
Front seat heater indicator does not illuminate	 Ref. to SEATS>Seat Heater System>INSPECTION > FRONT SEAT HEATER INDICATOR DOES NOT ILLUMINATE.
The illumination of front seat heater does not illuminate	 Ref. to SEATS>Seat Heater System>INSPECTION > THE ILLUMINATION OF FRONT SEAT HEATER DOES NOT ILLUMINATE.

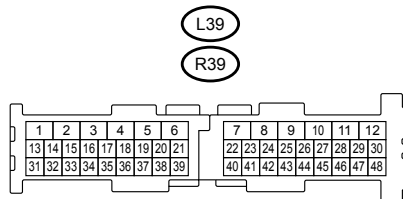
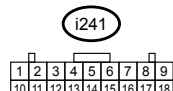
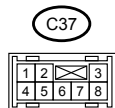
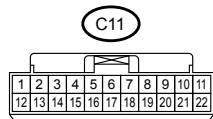
2. FRONT SEAT HEATER DOES NOT OPERATE

Wiring diagram:

Seat heater system  [Ref. to WIRING SYSTEM>Seat Heater System>WIRING DIAGRAM.](#)




*1 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 4, 5, 6, 7, 8 AND 9



1. CHECK FUSE.



Check the power seat fuse inside the fuse box.  [Ref. to SEATS>Relay and Fuse>INSPECTION > CHECK FUSE.](#)

Is the fuse blown out?

Yes



Replace the appropriate fuse.

No

 [Go to 2.](#)

2. CHECK SEAT HEATER SWITCH.




- 1.** Turn the ignition switch to OFF.
- 2.** Remove the seat heater switch.  [Ref. to SEATS>Seat Heater>REMOVAL > SEAT HEATER SWITCH.](#)
- 3.** Check the continuity between the terminals when pressing the seat heater switch.  [Ref. to SEATS>Seat Heater>INSPECTION > SEAT HEATER SWITCH.](#)

Is the resistance less than 10 Ω ?

Yes

 [Go to 3.](#)

No

Replace the seat heater switch.  [Ref. to SEATS>Seat Heater>REMOVAL > SEAT HEATER SWITCH.](#)

3. CHECK POWER SUPPLY CIRCUIT.



1. Turn the ignition switch to ON.
2. Measure the resistance between harness connector terminal and chassis ground.

Connector & terminal

(C37) No. 7 (+) — Chassis ground (–):

Is the voltage 10 V or more?

Yes

 [Go to 4.](#)

No

Repair or replace the defective part.

4. CHECK GROUND CIRCUIT.



1. Turn the ignition switch to OFF.
2. Measure the resistance between harness connector terminal and chassis ground.


Connector & terminal

(C37) No. 2 — (C11) No. 4:

(i315) No. 4 — Chassis ground:

Is the resistance less than 10 Ω ?

Yes

 [Go to 5.](#)

No

Repair or replace the defective part.

5. CHECK THE SEAT HEATER UNIT.



1. Remove the seat heater unit. [Ref. to SEATS>Seat Heater>REMOVAL > SEAT HEATER UNIT.](#)
2. Check the seat heater unit. [Ref. to SEATS>Seat Heater>INSPECTION > FRONT SEAT HEATER UNIT.](#)

Is the seat heater unit normal?

Yes

[Go to 6.](#)

No

Replace the seat heater unit. [Ref. to SEATS>Seat Heater>REMOVAL > SEAT HEATER UNIT.](#)

6. CHECK HARNESS.



Measure the resistance between seat heater switch and seat heater unit harness connector terminal.

Connector & terminal

LH side

(C37) No. 4 — (C11) No. 19:
(C37) No. 1 — (C11) No. 8:
(i315) No. 19 — (L55) No. 1:
(i315) No. 8 — (L55) No. 2:

RH side

(C37) No. 3 — (C11) No. 9:
(C37) No. 8 — (C11) No. 20:
(i315) No. 9 — (R55) No. 1:
(i315) No. 20 — (R55) No. 2:

Is the resistance less than 10 Ω ?

Yes

[Go to 7.](#)

No

Repair or replace the defective part.

7. CHECK GROUND CIRCUIT.



Measure the resistance between harness connector terminal and chassis ground.

Connector & terminal

LH side

(L55) No. 3 — Chassis ground:

RH side

(R55) No. 3 — Chassis ground:

Is the resistance less than 10 Ω ?

Yes

Check the connector for temporary poor contact.

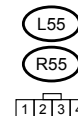
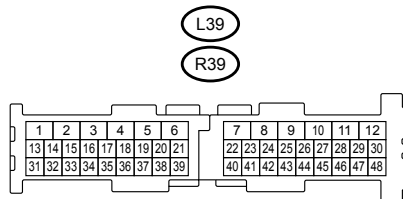
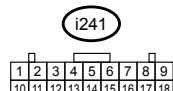
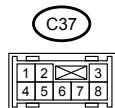
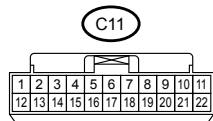
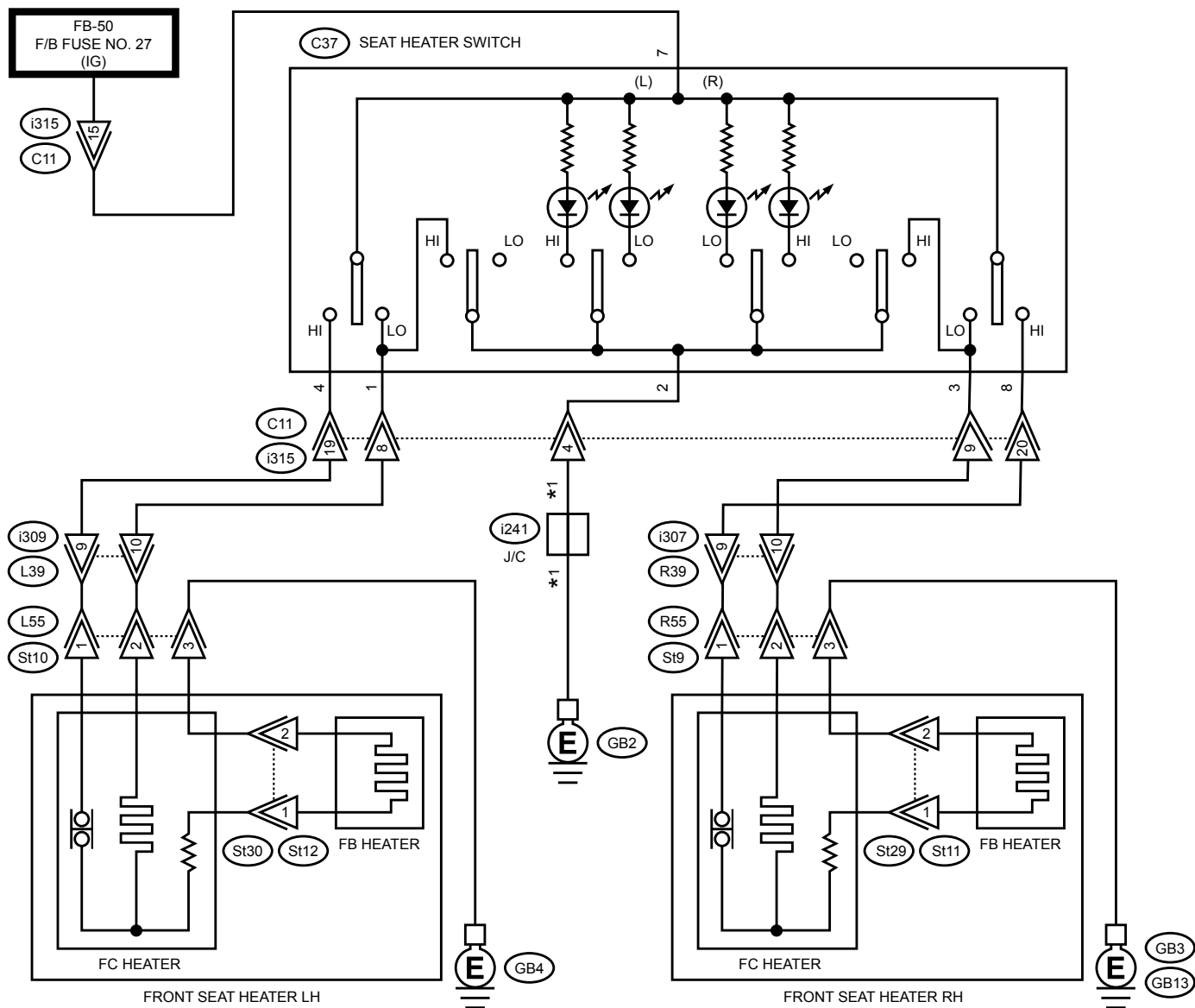
No

Repair or replace the defective part.

3. FRONT SEAT HEATER INDICATOR DOES NOT ILLUMINATE

Wiring diagram:

Seat heater system  [Ref. to WIRING SYSTEM>Seat Heater System>WIRING DIAGRAM.](#)



1. CHECK FUSE.



Check the power seat fuse inside the fuse box.  [Ref. to SEATS>Relay and Fuse>INSPECTION > CHECK FUSE.](#)

Is the fuse blown out?

Yes




Replace the appropriate fuse.

No

 [Go to 2.](#)

2. CHECK SEAT HEATER SWITCH UNIT (INDICATOR).




1. Turn the ignition switch to OFF.
2. Remove the seat heater switch.  [Ref. to SEATS>Seat Heater>REMOVAL > SEAT HEATER SWITCH.](#)
3. Apply battery voltage between seat heater switch terminals, and perform the inspection.  [Ref. to SEATS>Seat Heater>INSPECTION > SEAT HEATER SWITCH.](#)
4. Operate the LH side and RH side switches to HI and LO.  [Ref. to SEATS>Seat Heater>INSPECTION > SEAT HEATER SWITCH.](#)

Does the indicator illuminate when the switch is operated to HI/LO?

Yes

 [Go to 3.](#)

No

Replace the seat heater switch.  [Ref. to SEATS>Seat Heater>REMOVAL > SEAT HEATER SWITCH.](#)

3. CHECK POWER SUPPLY CIRCUIT.



1. Turn the ignition switch to ON.
2. Measure the resistance between harness connector terminal and chassis ground.

Connector & terminal

(C37) No. 7 (+) — Chassis ground (–):

Is the voltage 10 V or more?

Yes

 [Go to 4.](#)

No

Repair or replace the defective part.

4. CHECK GROUND CIRCUIT.



1. Turn the ignition switch to OFF.
2. Measure the resistance between harness connector terminal and chassis ground.

Connector & terminal

(C37) No. 2 — (C11) No. 4:

(i315) No. 4 — Chassis ground:

Is the resistance less than 10 Ω ?

Yes

Check the connector for temporary poor contact.

No

Repair or replace the defective part.


4. THE ILLUMINATION OF FRONT SEAT HEATER DOES NOT ILLUMINATE

Wiring diagram:

Clearance and illumination light system  [Ref. to WIRING SYSTEM>Clearance Light and Illumination Light System>WIRING DIAGRAM.](#)

1. CHECK FUSE.



Check the seat heater fuse inside the fuse box.  [Ref. to SEATS>Relay and Fuse>INSPECTION > CHECK FUSE.](#)

Is the fuse blown out?

Yes



Replace the appropriate fuse.

No

 [Go to 2.](#)

2. CHECK SEAT HEATER SWITCH UNIT.




1. Turn the ignition switch to OFF.
2. Remove the seat heater switch.  [Ref. to SEATS>Seat Heater>INSTALLATION > SEAT HEATER SWITCH.](#)
3. Apply battery voltage between seat heater switch terminals, and perform the inspection.  [Ref. to SEATS>Seat Heater>INSPECTION > SEAT HEATER SWITCH.](#)

Do the illuminations come on?

Yes

 [Go to 3.](#)

No

Replace the seat heater switch.  [Ref. to SEATS>Seat Heater>REMOVAL > SEAT HEATER SWITCH.](#)

3. CHECK ADAPTER HARNESS.



Check the continuity between the adapter harness connectors.

Connector & terminal

(C37) No. 6 — (C11) No. 5:

(C37) No. 5 — (C11) No. 16:

Is there continuity between the terminals?

Yes

 [Go to 4.](#)

No

Replace the adapter harness.

4. CHECK POWER SUPPLY CIRCUIT.



1. Turn the ignition switch to ON.
2. Turn the lighting switch to the switch 2 (HEAD) position.
3. Measure the voltage between connector terminal and chassis ground.

Connector & terminal

(i315) No. 5 (+) — Chassis ground (—):

Is the voltage 10 V or more?

Yes

 [Go to 5.](#)

No

Check the harness between the adapter harness and fuse, and the body integrated unit.

5. CHECK HARNESS.



1. Turn the ignition switch to OFF.
2. Disconnect the connector of combination meter.
3. Measure the resistance between terminals of the seat heater switch and the combination meter.

Connector & terminal

(i315) No. 16 — (i97) No. 34:

Is the resistance less than 10 Ω ?

Yes

 [Go to 6.](#)

No

Repair or replace the defective part.

6. CHECK HARNESS.



Measure the resistance between the combination meter and the chassis ground.

Connector & terminal

(i97) No. 40 — Chassis ground:

(i97) No. 28 — Chassis ground:

Is the resistance less than 10 Ω ?

Yes

Replace the combination meter.  [Ref. to INSTRUMENTATION/DRIVER INFO>Combination Meter>REMOVAL.](#)

No

Repair or replace the defective part.

SEATS > Seat Heater System

NOTE

For procedure of the components in the power window system, refer to the sections below.

- Seat heater unit:  [Ref. to SEATS>Seat Heater.](#)
- Seat heater switch:  [Ref. to SEATS>Seat Heater.](#)


REMOVAL







1. SEAT HEATER UNIT



• FRONT SEAT

Caution:

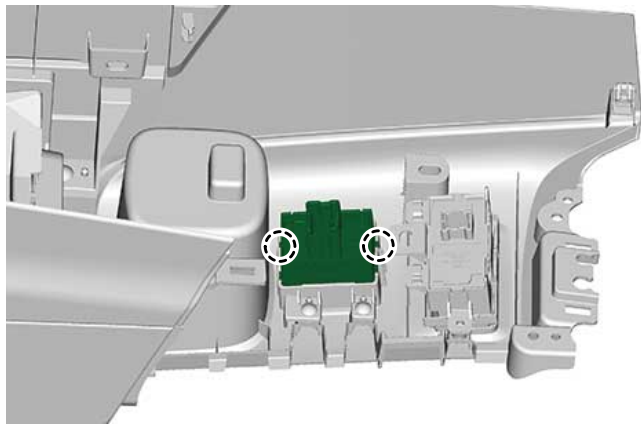
- Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)
- The seat position sensor is fixed to the cushion frame assembly. Do not remove the seat position sensor from the cushion frame assembly.
- When disassembling the passenger's seat, be careful of the following. (Model with passenger's seat occupant detection system with airbag control)
 - Do not remove the load sensor from the passenger's seat cushion frame assembly. It is fixed to the cushion frame assembly.
 - When the cushion frame assembly of the passenger's seat is replaced, do not touch the load sensor. Failure to do so may electrically impair it.

1. Prior to starting work, check the following precautions.  [Ref. to SEATS>General Description>CAUTION.](#)
2. Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
3. Remove the front seats.  [Ref. to SEATS>Front Seat>REMOVAL.](#)
4. Remove the front seat surface.  [Ref. to SEATS>Front Seat>DISASSEMBLY.](#)

2. SEAT HEATER SWITCH

1. Disconnect the ground terminal from battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
2. Remove the boot assembly parking brake and the console box assembly.  [Ref. to EXTERIOR/INTERIOR TRIM>Console Box>REMOVAL.](#)
3. Remove the switch assembly seat heater.
 - (1) Disconnect the connector.
 - (2) Release the claws, and remove the switch assembly seat heater.

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SE-11591

SEATS > Seat Heater

INSTALLATION

1. SEAT HEATER UNIT

• FRONT SEAT





Caution:

Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)



1. Install the front seat surface.  [Ref. to SEATS>Front Seat>ASSEMBLY.](#)

Note:

Seat heater unit is integrated into the seat pad assembly.

2. Install the front seat.  [Ref. to SEATS>Front Seat>INSTALLATION.](#)
3. Connect the ground terminal to battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
4. Regarding the front seat (passenger's seat), perform [Rezeroing] for the occupant detection system.  [Ref. to AIRBAG\(DIAGNOSTICS\)>Rezero.](#)
5. Regarding the front seat (passenger's seat), perform "Occupant Detection System Inspection" to check if the occupant detection system operates normally.  [Ref. to SEAT BELT SYSTEM>Seat Belt Warning System>INSPECTION.](#)

2. SEAT HEATER SWITCH

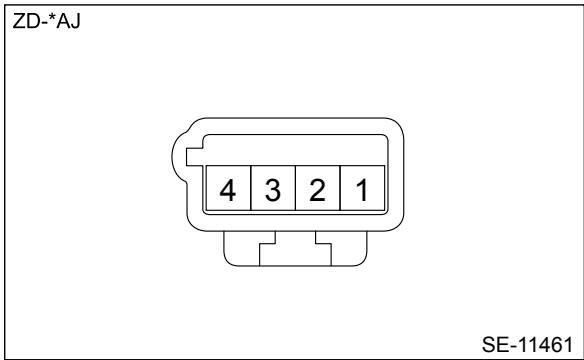
1. Install the switch assembly seat heater, and then connect the connector.
2. Install the console box assembly and the boot assembly parking brake.  [Ref. to EXTERIOR/INTERIOR TRIM>Console Box>INSTALLATION.](#)
3. Connect the ground terminal to battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)

SEATS > Seat Heater

INSPECTION

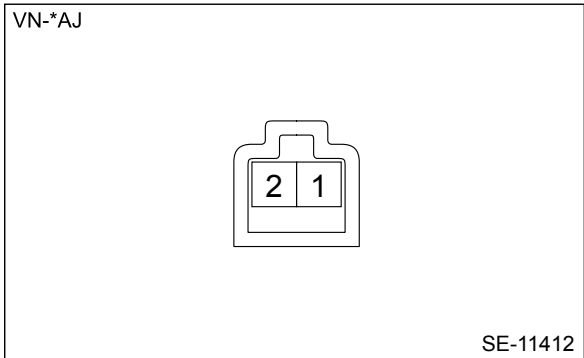
1. FRONT SEAT HEATER UNIT

1. Check the continuity between the connector terminals.
- Seat cushion



Terminal No.	Inspection conditions	Standard
1 — 2	Heater temperature 20°C (68°F)	Approx. 6.79 Ω

- Backrest

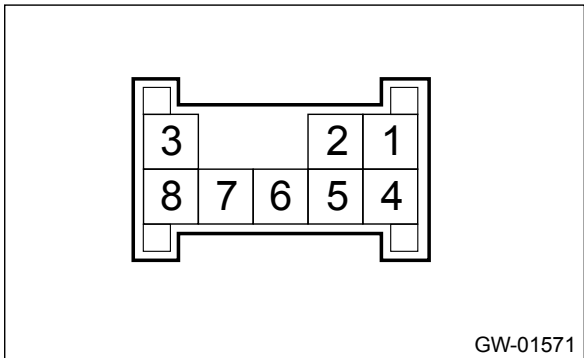


Terminal No.	Inspection conditions	Standard
1 — 2	Heater temperature 20°C (68°F)	Approx. 6.02 Ω

2. If no continuity exists, replace the seat heater unit with a new part.

2. SEAT HEATER SWITCH

1. Check the continuity between the connector terminals.



- LH side switch

Note:

When checking the LH side switch, turn the RH side switch to OFF.

Terminal No.	Inspection conditions	Standard
1 — 7	Switch LO	Less than 10 Ω
4 — 7 1 — 2	Switch HI	Less than 10 Ω

- RH side switch

Terminal No.	Inspection conditions	Standard
3 — 7	Switch LO	Less than 10 Ω
2 — 3 7 — 8	Switch HI	Less than 10 Ω

- 2.** Apply battery voltage between the connector terminals to check lighting condition of illumination inside the switch.

Caution:

When applying battery voltage, do not mix up the positive (+) side and the negative (–) side.

Incorrect polarity connection may cause LED damage inside the switch.

Note:

Operate the switch to HI and LO for the indicator.

- Indicator

Terminal No.	Inspection conditions	Specification
7 (+) — 2 (–)	Apply battery voltage.	Light ON

- Illumination

Terminal No.	Inspection conditions	Specification
6 (+) — 5 (–)	Apply battery voltage.	Light ON

- 3.** Replace the seat heater switch if it is found defective.